

V E R T E B R A T A,

BY

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I. MAMMALIA.

Captain Sir Edward Belcher brought home several drawings, made by Mr. Adams, of the different *Mammalia* which he had observed in the Islands of the Indian Ocean. It has occurred to me that it might be useful to give a list of all the species which have hitherto been discovered inhabiting those islands and the country near to them, intercalating in their places the descriptions of the hitherto unfigured species.

Fam. 1. SIMIADÆ.

1. SIMIA.

1. SIMIA *Satyrus*, Linn. *Muller, Verhand. Zool.* vol. i. 1-56. t. 1 to 7 *. S. agrias, *Schreb.* Papio Wurmbii, *Latr.* Simia Abelii, *Fischer.* S. Wallichii, *Blainv.* S. Pongo, *Fischer.* S. giganteus, *Pearson.* Pithecius Satyrus, *Martin.* Satyrus rufus, *Lesson.* S. bicolor, *J. Griff.* (PLATE I.)

Var. β . *Cantor, Mamm. Malay* 2. Simia Abelii, *Fischer.* Orang outang, *Brooke, Pro. Zool. Soc.*, 1842, 9.

HAB. Sumatra; British Museum. Var. β . in Borneo; B. M.

2. SIAMANGA.

1. *SIAMANGA syndactyla*, Gray, *List Mamm.* 1. *Simia syndactylus*, *Raffles*; *Horsf. Java*. *Syndactylus Siamang*, *Boitard*, *Jardin Plantes*.

HAB. Sumatra. B. M.

3. HYLOBATES.

1. *HYLOBATES Lar*, Lesson; *Cantor, Mamm. Malay*, 2. *Grand Gibbon*, *Buffon, Hist. Nat.* *Homo Lar*, *Linn. Syst. Nat.* *Simia longimana*, *Schreb.* t. 2. f. 1. *S. Lar*, *Gmelin, Syst. Nat.* *Pithecius Lar*, *Desm. Mamm.* *Simia albimana*, *Vigors et Horsf. Zool. Journ.* *Hylobates albimana*, *Schinz, Syst.*

Var. β . *Petit Gibbon*, *Buffon, Hist. Nat.* *Simia Lar*, β . *Gmelin, Syst. Nat.* *Pithecius variegatus*, *Geoff.* *Hylobates variegatus*, *Ogilby*. *Hilobates leuciscus*, *Cantor, Ann. and Mag. Nat. Hist.* (not Kuhl).

HAB. Malayan peninsula, *J. Reeves*; called *Ungka etam*; *Cantor*. Siam, Burmah, Tenasserim. B. M.

3. *HYLOBATES agilis*, F. Cuvier, *Man. Lith.*; *Cantor, Mamm. Malay*, 3. *Simia Lar*, *Vigors & Horsf.* (not *Linn.*). *Hylobates Lar*, *F. Cuvier, Man. Lithog.* *H. variegatus*, *Muller, Verh.* t. 7. *H. Rafflesia*, *Geoff.*

HAB. Malay peninsula, Malacca, Purlis, Keddah, Pungah; called *Ungka etam*; *Cantor*. Sumatra, *Muller*. Himalaya? B. M.

4. *HYLOBATES leuciscus*, Kuhl; *Gray, List Mamm. Brit. Mus.* 2. *Cantor, Mamm. Malay*, 3. *Simia leucisca*, *Schreb.* t. 3. *S. Moloch*, *Audeb.* *Pithecius cinereus*, *Latr. Singe*.

HAB. Java. B. M.

5. HYLOBATES *concolor*, Muller, *Verhand*, 1848.

HAB. Borneo.

4. NASALIS.

1. *NASALIS larvatus*, Geoff. *Cercopithecus larvatus*, *Wurmb*. *Simia Nasica*, *Schreb.* *S. longimanus*, *Link*. *Semnopithecus nasicus*, *Muller, Verh.* 62. 80. t. 12. f. 3. *Jun. Martin, Pro. Zool. Soc.* 1837, p. 70. *anat.* (young.) *Nasalis recurvus*, *Vigors & Horsf. Zool. Journ.* vol. iv. p. 110. (PLATE II.)

HAB. Borneo. B. M.

Capt. Sir Edward Belcher brought home a young specimen of this species, showing that *N. recurvus* is only the young of the common species.

5. PRESBYTES.

1. *PRESBYTES Næmæus*, Gray. *Simia nemæus*, *Linn.* *Semnopithecus Nemæus*, *F. Cuv. Man. Lith.* t. 12. *Muller, Verh.* 62.

HAB. Cochin China.

2. PRESBYTES *obscurus*, Gray, *List Mamm. Brit. Mus.* Lotong (*Simia maura*, Linn.), *Raffles*, *Linn. Trans.* vol. xiii. *Semnopithecus obscurus*, *Reid*, *Pro. Zool. Soc.* 1837, p. 14; *Martin*; *Cantor, Mamm. Malay*, 4. *Semnopithecus halonifer*, *Cantor*, *Pro. Linn. Soc.*; *Ann. & Mag. Nat. Hist.* 1845. S. leucomystax, *Temm. MS. Mus. Leyd.*; *Muller*, *Verh.* 59. S. albocinereus, *Eydoux & Soul. Voy. Bonite* (*fide Mus. Paris, not Desm.*) Presbytes *jubatus*, *Wagner*. *Simia maurus*, *Hefer*.

HAB. Malayan peninsula, Penang, and Singapore; called *Lotong*, or *Lotong etam*; *Cantor?* Siam, *Muller*. B. M.

3. PRESBYTES *cristata*, Gray, *List Mamm. Brit. Mus.* Chingkau (*Simia cristata*), *Raffles*, *Linn. Trans.* vol. xiii. *Semnopithecus cristatus*, *Horsfield*; *Martin*; *Muller*, *Verh.* 61. 77. t. 12. S. pruinosus, *Desmar.* S. *maurus*, *Horsf. Java*. (not Cuv.)

HAB. Penang, *Cantor*; Sumatra, *Raffles*; Borneo, *Muller*. B. M.

4. PRESBYTES *maurus*. *Simia maura*, *Schreb.* not *Raffles*. Presbytes *maura*, *Gray*, *List Mamm. Brit. Mus.* 3. *Semnopithecus maurus*, *F. Cuv. Mamm. Lith.* t. 10; *Muller*, *Verh.* 61, 76, t. 12. *Simia Edwardsii*, *Fischer*, *Sim. Man.*; *Edw. Birds.* t. 311. S. *Maurita*, *Brun.*

Var. α . Reddish, *Semnopithecus Pyrrhus*, *Horsf. Java*, t. 6.

Var. β . Golden, *Cercopithecus auratus*, *Geoff. Ann. Mus.*

HAB. Java. B. M.

5. PRESBYTES *rubicundus*. *Semnopithecus rubicundus*, *Muller*, *Verh.* 61, 69, t. 9 & 11.

HAB. Borneo. B. M.

6. PRESBYTES *melalophos*, Gray, *List Mamm. Brit. Mus.* p. 2. *Semnopithecus melalophos*, *F. Cuv. Mamm. Lith.* t. 7; *Muller*, *Verh.* 60, 66, t. 12*. f. 2. *Simia melalophos*, *Raffles*, *Linn. Trans.* vol. xiii. p. 242. S. *melanolophos*, *Mus. Leyd.*

Var. β . *Semnopithecus flavimanus*, *J. Geoff. in Lesson Cent. Zool.* t. 40; *Muller*, *Verh.* 61, 67.

HAB. Sumatra. B. M.

7. PRESBYTES *mitratus*, Eschsch. *Kotzebu*, *Voy.* 196. t. 3. *Semnopithecus mitratus*, *Muller*, *Verh.* 60, 65, t. 12. 12*. t. 24 a. S. *comatus*, *Desm. in Cuv. Mamm. Lith.* Cop. *Schreb. Sum.* *Simia fascicularis*, *Raffles*.

HAB. Java. B. M.

8. PRESBYTES *cinereus*? *Cercopithecus albocinereus*, *Desm.* *Semnopithecus albocinereus*, *Cantor, Mamm. Malay*, 4. Presbytes *cinerea*, *Gray*, *List Mamm. Brit. Mus.* 193.? Sem. *nigromanus*, *J. Geoff. Semnopithecus dorsatus*, *Waterhouse, MSS.*; *Martin*, 481.

HAB. Malayan peninsula; called *ka ka*; *Cantor*.

9. PRESBYTES *chrysomelas*. *Semnopithecus chrysomelas*, *Muller*, *Verh.* 61. 71, t. 10, 11.

HAB. Borneo. B. M.

Capt. Sir Edward Belcher brought home a young specimen of this species, agreeing with Muller's figure, t. 10. f. 2.

10. PRESBYTES *Sumatranus*. Semnopitheeus Sumatranus, *Muller*, *Verh.* 61, 73. t. 10*. S. obseurus (part), *Cantor*, *Malay Mamm.* 4.

HAB. Sumatra. B. M.

11. PRESBYTES *frontatus*. Semnopithecus frontatus, *Muller*, *Verh.* t. 8. *Martin*, vol. i. p. 475. f. 285.

HAB. Borneo. B. M.

6. MACACUS.

1. MACACUS *cynomolgus*, Gray. Cereopitheeus eynomolgus, *Ogilby*; *Cantor*, *Mamm. Malay*; *Cuming*, *Proc. Zool. Soc.* 1841, 33. Simia cynomolgus, *Linn.* S. aygula, *Linn.*; *Muller*, *Verh.* 48. S. attys, *Schreb.* S. fascicularis, *Raffles*, *Linn. Trans.* Maeaeus aureus, *J. Geoff. Belanger*, *Voy. Zool.* t. 2. M. Iris, *J. Geoff.* M. carbonarius, *J. Geoff.*?

HAB. Malayan peninsula, Penang; called *kra*; *Cantor*. Java, Sumatra, Banka, Borneo, Celebes, and Timor, Tenasserim and Nicobar Islands, Philippines; *Cuming*. B. M.

2. MACACUS *Nemestrinus*; Desm. Inuus nemestrinus, *Linn.*; *Muller*. Simia nemestrina, *Linn.* S. platypygos, *Schreb.* S. fusea, *Shaw*. S. earpologos, *Raffles*. S. longieruris, *Link*. S. porearia, *Brun.* Papio nemestrinus, *Cantor*, *Mamm. Malay*. 6

HAB. Malayan peninsula, Penang; called *Broh*; *Cantor*. Sumatra, and Borneo. B. M.

7. CYNOPITHECUS.

1. CYNOPITHECUS *niger*, J. Geoff. Maeaeus niger, *Gray*. Cynocephalus niger, *Desm.* C. Malayanus, *Desmoul.* Papio *Aethiops*, *Zimm.*? P. maurus, *Blainv.* Maeaeus nigrescens, *Mus. Leiden*.

HAB. Celebes, Philippines. B. M.

Fam. 2. LEMURIDÆ.

1. NYCTICEBUS.

1. NYCTICEBUS *tardigradus*, Gray, *List Mamm. Brit. Mus.* 194. *Cantor*, *Mamm. Malay*, 7. Stenops tardigradus, *Muller*, *Verh.* Lemur tardigradus, *Raffles*, *L. S. vol. xiii.* p. 247; *Bennett*, *Gard. Zool. Soc.* 339. *Hoeven*, *Nat. Tijdschr.* vol. viii. p. 345. t. 3, 4, 5.

HAB. Malayan peninsula, Penang; called *kukang*; *Cantor*. Java, Sumatra, Borneo; *Muller*. B. M.

2. NYCTICEBUS *Javanicus*, Geoff. *Gray*, *List*, 16. Stenops Javanicus, *Hoeven*, *Nat. Tijdschr.* vol. viii. p. 343. t. 5. f. 1.

HAB. Malay peninsula, Penang, Java, Sumatra. B. M.

2. TARSIUS.

1. *Tarsius spectrum*, Geoff. *Ann. Mus.* vol. xix. p. 168; *Cuming, Pro. Zool. Soc.* 1838, p. 66. Lemur spectrnm, *Pallas?* *Tarsius Daubentonii*, *Geoff. Horsf. Java.* T. Pallasii, *G. Fischer.* T. fuscomanus, *Fischer*, t. 3, 4. T. Fischeri, *Desm.* T. Bancanus, *Horsf. Java.* *Didelphis macrotarsus*, *Schreb.* *Tarsier*, *Buffon*, *H. N.* vol. viii. t. 9. *Macrotarsus Buffonii*, *Link.* 1794.

HAB. Sumatra? Java, Borneo, Celebes, Banka; called *Podje*. Philippine Islands, where it is called *malmag*; *Cuming*. B. M.

Fam. 3. GALEOPITHECIDÆ.

1. GALEOPITHECUS.

1. *GALEOPITHECUS volans*, Shaw, *Zool.* t. 38. *G. variegatus*, *Geoff. Temm. Muller, Verh.* 49. *G. Ternatensis*, *Desm.* *G. rufus*, *Audeb.* *G. undulatus*, *Wagner.* *G. Temminckii*, *Waterh. Pro. Zool. Soc. Cantor.* *Lemur volans*, *Linn. Marsden, Raffles.*

HAB. Malayan peninsula, Singapore, Penang, and other islands of the Straits. Lancavy Island; called *kubong* or *kurbong*. Pelew Island, Siam; *Cantor*. Java, Sumatra, Borneo; *Muller*. B. M.

2. *GALEOPITHECUS Philippinensis*, Waterhouse, *Pro. Zool. Soc.* 1838, p. 219; *Trans. Zool. Soc.* ii. Caguang, *Cuming, Pro. Zool. Soc.* 1838, p. 67. *Gal. macrourus*, *Temm. MSS.* (not described).

HAB. Philippines, Bohol and Mindanado. The skins are sold at Manilla.

Fam. 4. VESPERTILIONIDÆ.

1. MEGADERMA.

1. *MEGADERMA spasma*, Geoff. *Ann. Mus.* vol. xv. t. 12; *Cantor, Mamm. Malay*, 9. *Vespertilio spasma*, *Linn.* *V. lanceolata*, *Deschamp.* *Megaderma trifolium*, *Geoff.* *M. Philippinensis*, *Waterhouse*.

HAB. Java; *Deschamp.* Penang, Singapore, Ternate; *Cantor*. Philippines; *Cuming*. B. M.

2. AQUIAS.

1. *Aquias luctus*, Gray, *Pro. Zool. Soc.* 1847, p. 16. *Rhinolophus luctus*, *Temm. Monog.* vol. iv. p. 24. t. 30. *Rh. morio*, *Gray, Ann. and Mag. N. H.* vol. x. p. 257.

HAB. Java and Sumatra; *Temm.* Singapore, *Gray*. B. M.

2. *Aquias trifoliatus*, Gray, *Pro. Zool. Soc.*, 1847, p. 16. *Rhinolophus trifoliatus*, *Temm. Monog.* vol. iv. p. 27. t. 30.

HAB. Java and Borneo. B. M.

3. RHINOLOPHUS.

1. RHINOLOPHUS *affinis*, Horsfield, *Java*; *Cantor, Mamm. Malay*, 11.

HAB. Java; *Horsf.* Penang; *Cantor*.

2. RHINOLOPHUS *pusillus*, Temm. *Monog.* ii. p. 36.

HAB. Java.

3. RHINOLOPHUS *minor*, Horsf. *Java*. *Temm. Monog.* ii. p. 35.

HAB. Java, Timor.

4. RHINOLOPHUS (*Euryotis*) *Philippinensis*, Waterhouse, *Pro. Zool. Soc.*, 1843, p. 68.

HAB. Philippines; *Cuming*. B. M.

4. HIPPOSIDEROS.

1. HIPPOSIDEROS *larvatus*, Gray, *Mag. Zool. & Bot.* ii. 11. Rhinolophus larvatus, *Horsf. Java*. 6.

Temm. Mon. R. *insignis*, *Horsf. Java*; *Temm. Monog.* ii. 14 to 29. f. 2. R. *vulgaris*, *Horsf. Java*. t. 7. f. 3; *Cantor, Mamm. Malay*, 13. R. *deformis*, *Horsf. Java*. *Vespertilio Cyclope*, *Desch. MSS.*

HAB. Java; *Horsfield*. Penang; *Cantor*. B. M.

2. HIPPOSIDEROS *bicolor*, Gray, *List Mamm. Brit. Mus.* 33. Rhinolophus *bicolor*, *Temm. Monog.* ii. 18 to 32. f. 9, 10; *Waterhouse, Pro. Zool. Soc.*, 1843, 67.

HAB. Java, Amboina, and Timor. Philippines; *Cuming*. B. M.

3. HIPPOSIDEROS *pygmaeus*. Rhinolophus *pygmæus*, *Waterhouse, Pro. Zool. Soc.*, 1843, 67.

HAB. Philippines; *Cuming*.

4. HIPPOSIDEROS *speoris*. Rhinolophus *speoris*, *Temm. Monog.* i. 17. *Vespertilio speoris*, *Schreb. Peron, Voy.* t. 33.

HAB. Amboina, Timor.

5. HIPPOSIDEROS *murinus*, Gray, *Mag. Zool. and Bot.* ii. 11; *Cantor, Journ. Asiat. Soc. Beng.* xv.; *Mamm. Malay*, 13.

HAB. Penang; *Cantor*. South Mahratta Country, Nicobar Islands. B. M.

6. HIPPOSIDEROS *galeritus*, Cantor, *Journ. Asiat. Soc. Beng.* xv.; *Mamm. Malay*, 13.

HAB. Penang; *Cantor*.

5. PHYLLORHINA.

1. PHYLLORHINA *nobilis*, Gray. Rhinolophus *nobilis*, *Horsf. Java*; *Waterhouse, Pro. Zool. Soc.*, 1843, 67.

HAB. Java, Sumatra, Amboina, Timor; *Muller*. Penang, Malayan peninsula; *Cantor*. Philippines; *Cuming*. B. M.

2. **PHYLLORHINA diadema.** Hipposideros diadema, *Gray*, *List Mamm. Brit. Mus.* *Cantor, Mamm. Malay*, 11. Rhinolophus diadema, *Geoff. Ann. Mus.* xx. t. 5.

HAB. Timor; *Muller*. Penang, Malay peninsula; *Cantor*. B. M.

3. **PHYLLORHINA griseus.** Rhinolophus griseus, *Meyer*, *Nov. act. Cæsar*, xvi. t. 46.

HAB. Philippine Islands; Luzon.

6. ASELLIA.

1. **ASELLIA tricuspidata.** Rhinolophus tricuspidatus, *Temm. Monog.* ii. 20.

HAB. Amboina.

7. PETALIA.

1. **PETALIA Javanica**, *Gray*, *Mag. Zool. and Bot.* ii. 12. Nycteris Javanica, *Geoff. Ann. Mus.* xx.

t. 1. *Muller, Verh. N. Kuhlii*, *Temm.* Vespertilio pollicaris, *Deschamp. MSS.*

HAB. Java; *Deschamp.* B. M.

8. PLECOTUS.

1. **PLECOTUS Timorensis**, *Guerin*, *Mag. Zool.* 1832. Vespertilio Timorensis, *Geoff. Ann. Mus.* viii.

t. 47, cop. *Temm. Monog.* ii. 253. t. 57. f. 10.

HAB. Timor.

9. VESPERTILIO ?

1. **VESPERTILIO ? pellucidus**, *Waterhouse*, *Pro. Zool. Soc.*, 1845. 3.

HAB. Philippines.

10. KERIVOULA.

1. **KERIVOULA Hardwickii**, *Gray*, *List Mamm. Brit. Mus.* 27. Vespertilio Hardwickii, *Horsf. Zool. Java*; *Temm. Monog.* ii. 222. t. 55. f. 7-9.

HAB. Java, Sumatra. B. M.

2. **KERIVOULA tenuis**, *Gray*; *Cantor, Mamm. Malay*, 15. Vespertilio tenuis, *Temm. Monog.* ii. 220. t. 57. f. 5, 6, 7.

HAB. Java, Sumatra, Borneo; *Muller*. Penang; *Cantor*.

3. *KERIVOULA picta*, Gray, *Ann. & Mag. Nat. Hist.* 1842, 258; *Cantor, Mamm. Malay*, 15. *Ves-*
pertilio pictus, *Pallas, Schreb.* t. 49; *Geoff.*; *Horsf.*; *Temm. Monog.* ii. 233. t. 56. f. 1, 3. *V. radiatus*,
Brunn. *V. kirivoula*, *Boddaert, Fischer, Syn.* 106; *Geoff.* *V. Ternatanus*, *Seba.* *Muscardin volant*,
Daubenton.

HAB. Java, Sumatra, Borneo. B.M.

4. *KERIVOULA trilatitoides*, Gray, *List Mamm. Brit. Mus.* 27. *Vespertilio trilatitius*, *Temm. Monog.*
 ii. 228. t. 57. f. 1-4, not *Horsf.*? *V. Gärtneri*. *Kuhl.*

HAB. Java. B. M.

5. *KERIVOULA rufopicta*. *Vespertilio rufopictus*, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.

HAB. Philippine; *Cuming*.

11. TRILATITUS.

1. *TRILATITUS blepotis*, Gray, *Ann. and Mag. Nat. Hist.* 1842, 258. *Vespertilio blepotis*, *Temm.*
Monog. ii. 212. t. 53. f. 1, 2.

HAB. Java, Amboina, Banda, Timor, Japan. B. M.

2. *TRILATITUS Horsfieldii*, Gray, *List Mamm. Brit. Mus.* 26; *Cantor, Mamm. Malay*, 15. *Ves-*
pertilio trilatitius, *Horsf. Java*.

HAB. Java, Sumatra. Penang; *Cantor*. B. M.

3. *TRILATITUS Meyeni*. *Vespertilio Meyeni*, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.

HAB. Philippines; *Cuming*.

12. SCOTOPHILUS.

1. *SCOTOPHILUS Temminckii*, Gray, *Mag. Zool. and Bot.* ii. 15; *Cantor, Mamm. Malay*, 15. *Nycti-*
cejus Temminckii, *Muller*. *Vespertilio Temminckii*, *Horsf. Zool. Java* (young). *V. Belangeri*, *J. Geoff.*
Belanger, Voy. *V. noctulinus*, *J. Geoff.* (very young). *Nycticejus Belangeri*, *Temm.* *N. Noctulinus*,
Temm.

HAB. Java, Sumatra, Borneo, Banda, Timor, Pondicherry. Calcutta; *Hardwicke*. Malayan peninsula
 and Island; *Cantor*. B. M.

2. *SCOTOPHILUS fulvus*, Gray, *List Mamm. Brit. Mus.* 31.

HAB. Java. B. M.

3. *SCOTOPHILUS Meyenii*. *Vespertilio Meyenii*, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.

HAB. Philippines; *Cuming*.

4. *SCOTOPHILUS pachypus*. *Vespertilio pachypus*, *Temm. Monog.* ii. 217. t. 54. f. 4-6.

HAB. Java. B. M.

5. SCOLOPHILUS *Borbonicus*. Vespertilio Borbonicus, *Geoff. Ann. Mus.* viii. Nicticejus Borbonicus, *Temm. Monog.* ii. 153. t. 47.

Var. *Waterhouse, Pro. Zool. Soc.*, 1845, 10.

HAB. Philippines; *Cuming*.

6. SCOLOPHILUS *Hasseltii*. Vespertilio Hasseltii, *Temm. Monog.* ii. t. 56. f. 7, 8.

HAB. Java. B. M.

13. NOCTULINA.

1. NOCTULINA *Malaccensis*, Gray, *List Mamm. Brit. Mus.* 31.

HAB. Singapore. B. M.

2. NOCTULINA? *Eschscholtzii*. Vespertilio Eschscholtzii, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.

HAB. Philippines; *Cuming*.

14. MINIOPTERIS.

1. MINIOPTERIS *macrotarsus*. Vespertilio macrotarsus, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.

HAB. Philippines; *Cuming*.

15. MURINA.

1. MURINA *suillus*, Gray, *Ann. and Mag. Nat. Hist.* 1842, 259. Vespertilio suillus, *Temm. Monog.*

ii. 224. t. 56. f. 4, 5, 6.

HAB. Java, Sumatra; *Temm.* Darjeeling; *Hodgson*.

The following species have been so indistinctly described by M. Temminck, that it is not possible to refer them to their proper genera until specimens are procured:—

1. VESPERTILIO *macellus*, *Temm. Monog.* ii. 230.

HAB. Borneo.

2. VESPERTILIO *macrotis*, *Temm. Monog.* ii. 218.

HAB. Sumatra.

3. VESPERTILIO *circumdatus*, *Temm. Monog.* ii. 219.

HAB. Java.

4. VESPERTILIO *adversus*, Horsf. *Java*; *Temm. Monog.* ii. 221; *Cantor, Mamm. Malay*, 14. V. *cineraceus*, *Blyth, MSS.*

HAB. Java; *Horsf.* Penang; *Cantor.* Calcutta; *Blyth*.

5. VESPERTILIO *papillosum*, Temm. *Monog.* ii. 220. t. 55. f. 1, 4.
HAB. Java, Sumatra.
 6. VESPERTILIO *imbricatus*, Horsf. *Java*; *Temm. Monog.* ii. 216. t. 54. f. 1-3.
HAB. Java.
 7. VESPERTILIO *Horsfieldii*, Temm. *Monog.* ii. 226. t. 56. f. 9, 10, 11.
HAB. Java.
 8. VESPERTILIO *brachypterus*, Temm. *Monog.* ii. 213. t. 36. f. 5, 6.
HAB. Sumatra.
 9. VESPERTILIO *Malayanus*, F. Cuv. *Nouv. Ann. Mus.* t. 2. f. 3, cop. *Temm. Monog.* ii. 260.
HAB. Malacca.
 10. VESPERTILIO *Oreias*, Temm. *Monog.* ii. 270.
HAB. Singapore; *Temm.*
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16. HARPIOCEPHALUS.

1. HARPIOCEPHALUS *rufus*, Gray, *Ann. Nat. Hist.* 259. Vespertilio harpyia, *Temm. Monog.* ii. 219. t. 55. f. 5, 6.
HAB. Java. B. M.
2. HARPIOCEPHALUS *tristis*. Vespertilio tristis, *Waterhouse, Pro. Zool. Soc.*, 1845, 3.
HAB. Philippines; *Cuming.*

17. EMBALLONURA.

1. EMBALLONURA *monticola*, Temm. *Zijdschr.* v. t. 2. f. 1, 2.
HAB. Java.

18. TAPHOZOUS.

1. TAPHOZOUS *saccolaimus*, Temm. *Monog.* ii. 285. t. 60. f. 1, 6.
HAB. Java, Sumatra, Celebes, Ternate. B. M.
2. TAPHOZOUS *Philippinensis*, Waterhouse, *Pro. Zool. Soc.*, 1845. 9.
HAB. Philippines; *Cuming.*
3. TAPHOZOUS *melanopogon*, Temm. *Monog.* ii. 287. t. 60. f. 8, 9. *Cantor, Mamm. Malay*, 10.
HAB. Java; *Temm.* Pulo Tikus, Pulo Lancavy, Malayan peninsula; *Cantor.* Caves of Kannera. B. M.

19. CHEIROMELES.

1. *Cheiromeles torquatus*, Horsf. *Java*; *Temm.* *Dyposes cheiropus*, *Temm. Monog.* ii. t. 17. t. 23.
f. 15. *Molossus cheiropus*, *Lesson.* *Cheiromeles caudatus*, *Temm. Monog.* ii. 348. t. 66.

HAB. Java, Sumatra, Borneo. B. M.

20. NYCTINOMUS.

1. *Nyctinomus plicatus*, Gray, *Mag. Zool. and Bot.* ii. 18. *Vespertilio plicatus*, *Buchann. Linn. Trans.* v. t. 13. *Nyct. Bengalensis*, *Geoff.* *Nyct. tenuis*, *Horsf. Java*, fide spec. *Horsf.*; *Cantor, Mamm. Malay*, ii.; *Waterhouse, Pro. Zool. Soc.*, 1845, 10. *Nyct. dilatatus*, *Horsf. Java*, fide spec. *Horsf.*

HAB. India, Bengal, Malayan peninsula; *Cantor*. Philippines; *Cuming*. Java, Sumatra, Borneo. B.M.

21. PTEROPUS.

1. *Pteropus Edwardsii*, Geoff., *Ann. Mus.* xv. *P. medius*.

Var.? *P. Edwardsii*, var. *Waterhouse, Pro. Zool. Soc.*, 1843, 67.

HAB. India, Ceylon, Madagascar. Var. Philippines; *Cuming*.

2. *Pteropus edulis*, Geoff. *Ann. Mus.* xv.; *Temm.* *P. Javanicus*, *Horsf. Java*.

HAB. Java, Sumatra, Banda. B. M.

3. *Pteropus funereus*, Temm. *Monog.* ii. 68. t. 35. f. 4.

HAB. Sumatra, Borneo, Amboina, Timor. B. M.

4. *Pteropus jubatus*, Eschscholtz, *Zool. Atl.* t. 16; *Waterhouse, Pro. Zool. Soc.*, 1843, 67. *P. pyrrhoccephalus*, *Meyer, Nov. Act. Nat. Cur.* xvi. t. 45. f. 6.

HAB. Philippines; *Meyer*; *Cuming*.

5. *Pteropus Phaiops*, Temm. *Monog.* ii. t. 35. f. 3.

HAB. Celebes, Amboina, Banda.

6. *Pteropus chrysoproctus*, Temm. *Monog.* ii. t. 34. f. 2.

HAB. Amboina.

7. *Pteropus Alecto*, Temm. *Monog.* ii. 75.

HAB. Celebes.

8. *Pteropus griseus*, Geoff.; *Temm. Monog.* i. t. 35.

HAB. Amboina, Timor.

9. *Pteropus Macrotii*, Temm. *Monog.* ii. t. 35. f. 5.

HAB. Timor.

10. PTEROPUS *personatus*, Temm. *Monog.* i.

HAB. Ternate.

11. PTEROPUS *pallidus*, Temm. *Monog.* i. ; *Fischer, Syn.* 84.

HAB. Banda, Sumatra.

22. XANTHARPYA.

1. XANTHARPYA *amplexicaudata*, Gray. Pteropus amplexicaudatus, *Geoff.* ; *Temm. Monog.* i. t. 13.

HAB. Timor, Java, Sumatra, Amboina ?, Philippines ; *Cuming* ; *Belcher.* B. M.

23. CYNOPTERUS.

1. CYNOPTERUS *marginatus*, Gray, *List Mamm. Brit. Mus.* 38. Pteropus titthaecheilus, *Temm.* Pachysoma titthecheilum, *J. Geoff.* ; *Muller.* Vespertilio marginatus, *Hamilton (Buchanan)*.

HAB. Java, Sumatra, India, Nepal. Philippines ; *Cuming.* B. M.

2. CYNOPTERUS *Horsfieldii*, Gray, *List Mamm. Brit. Mus.* 38. Pachysoma melanocephalum, *Muller.*

Pteropus marginatus, *Horsf. Java*, not *Hamilton*.

HAB. Java. B. M.

3. CYNOPTERUS *brevicaudatus*. Pachysoma brevicaudatum, *J. Geoff.*

HAB. Sumatra ; *Cuming.* Philippines ; *Cuming.* B. M.

4. CYNOPTERUS *brachyotis*. Pachysoma brachyotis, *Muller, Verh.*

HAB. Borneo.

24. MEGÆRA.

1. MEGÆRA *ecaudata*, Temm. *Monog.* ii. ; *Muller, Verh.* Pachysoma ecaudata, *Temm. Monog.* ii.

HAB. Sumatra.

25. MACROGLOSSUS.

1. MACROGLOSSUS *minimus*, Gray, *Mag. Zool. and Bot.* ii. ; *Waterhouse, Pro. Zool. Soc.*, 1843, 67.

Pteropus minimus, *Geoff. Ann. Mus.*, xv. 335. P. rostratus, *Horsf.* Macroglossus kiodotes and M. Horsfieldii, *Lesson*.

HAB. Java, Sumatra, Borneo, Celebes, Amboina, Banda, Timor. Philippines ; *Cuming.* B. M.

26. HARPYIA.

1. HARPYIA *cephalotis*. Harpyia Pallasi, *Temm. Monog.* ii. t. 40. Cephalotis Pallasi, *Geoff. Ann. Mus.* xv. Vespertilio cephalotis, *Pallas, Spic. Zool.* iii. t. 12.

HAB. Celebes, Amboina.

27. CEPHALOTES.

1. CEPHALOTES *Peronii*, Geoff. *Ann. Mus.* xv. t. 7. *Pteropus Palliatus*, Geoff. *Hypoderma Moluccensis*, Quoy and Gaim. *Voy. Astrol.*

HAB. Amboina, Banda, Timor, Celebes. B. M.

ORDER II. FERÆ.

Fam. 1. FELIDÆ.

1. TIGRIS.

1. *Tigris regalis*, Gray. *Felis Tigris*, Linn.; Muller, *Verh.* 52; Cantor, *Mamm. Malay*, 35.

HAB. Java and Sumatra. Malayan peninsula; called *Harimau* or *Rimau*. India. B. M.

2. LEOPARDUS.

1. *Leopardus varius*, Gray. *Felis pardus*, Linn. *F. varia*, Schreb. *F. Panthera*, Erxleb. *F. chalybeata*, Herm. *F. antiquorum*, Fischer. *F. fusca*, Meyer. *F. nirm*, Ehrenb. *F. melas*, Peron.

HAB. Java and Sumatra. Malayan peninsula; called *Remau Bintang*; Cantor. India. B. M.

2. *Leopardus macrocelis*. *Felis macrocelis*, Temm.; Horsf. *Felis nebulosa*, Griffith, A. K. *Rimau dahau*, Raffles, *Linn. Trans.* xiii.

HAB. Sumatra and Borneo.

3. *Leopardus marmoratus*, Gray, *List Mamm. Brit. Mus.* 42. *Felis marmoratus*, Martin, *Pro. Zool. Soc. Cantor, Mamm. Malay*, 36. *Felis Diardii*, Fischer, *Sym. Mamm.*; Jardine, *Cats*, t. 21, 22. *Felis Charltonii*, Gray, *Ann. Nat. Hist.* xviii. 1846, 211.

HAB. Malayan peninsula; called *Rimau dahau*; Cantor. Nipal; Charlton. B.M.

4. *Leopardus Javensis*, Gray, *List Mamm. Brit. Mus.* 43. *Felis Javensis*, Horsf. *Java*; Cantor, *Mamm. Malay*, 36. *F. Diardii*, Griffith, A.K. t. 85; *F. Cuv. Mamm. Lith.* *F. minuta*, var. *Temm.*; Fischer; Muller, *Verh.* 54. *F. undulata*, Schinz.

HAB. Java, Borneo, Penang, Malay peninsula. B. M.

5. *Leopardus Sumatrana*. *Felis Sumatrana*, Horsf. *Java*. *F. minuta*, var., *Temm.* *F. undulata*, Fischer.

HAB. Sumatra. B. M.

6. *Leopardus megalotis*. *Felis megalotis*, Muller, *Verh.* 54.

HAB. Timor.

7. *Leopardus Temminckii*. *Felis Temminckii*, Vigors. *Zool. Journ.* iv. 451. t. 22.

HAB. Sumatra; Vigors. B.M.

3. FELIS.

1. *Felis domestica*, Linn.; *Cantor, Mamm. Malay*, 38.

HAB. Domesticated in the Malay peninsula; called *Kuching*; *Cantor*. B. M.

4. CHAUS.

1. *Chaus planiceps*, Gray, *List Mamm. Brit. Mus.* 44. *Felis planiceps*, *Vigors and Horsf. Zool. Java*, vii. t. 2. *F. Diardii*, *Craufurd*.

HAB. Sumatra, Borneo, Malayan peninsula; called *Kuching utan* or *Jalang*; *Cantor*. B. M.

5. VIVERRA.

1. *Viverra Zibetha*, Linn.; *Gray, Pro. Zool. Soc.*, 1832, 63; *Cantor, Mamm. Malay*, 27. *V. undulata*, *Gray, Spie. Zool.* 9. t. 8 (1830). *V. melanurus*, *Hodgson*. *V. orientalis*, *Hodgson*. *V. civettoides*, *Hodgson*. *V. Tangalunga*, *t. c. 53*. *V. Zibetha*, *F. Cuv. Mamm. Lith.* Civett (undescribed), *M'Clelland, Calcutta Journ. Nat. Hist.* Zibet, *Buffon, Hist. Nat.* ix. t. 34.

HAB. Malayan peninsula, Penang, Singapore; called *Tanggallong*; *Cantor*. Bengal, Nepal, Siam, South China, Sumatra, Borneo, Celebes, Amboina. B. M.

2. *Viverra Tangalunga*, Gray, *Pro. Zool. Soc.*, 1832, 63. *V. Zibetha*, *Raffles*; *F. Cuv. Mamm. Lith.*

HAB. Sumatra; *Raffles*. Borneo, Celebes, Amboina, Philippines, Penang, Singapore, Malayan peninsula; called *Musang jibat*; *Cantor*. B. M.

3. *Viverra Malaccensis*, Gmelin. *V. gunda*, *Hamilton*. *V. Rasse*, *Horsf. Java*; *Muller, Verh. V. Indica*, *Geoff.* *V. Bengalensis*, *Gray*. *V. pallida*, *Gray*. *V. Leveriana*, *Shaw*. *Genetta Manillensis*, *Eydoux*. *Viverricula Malaccensis*, *Cantor, Mamm. Malay*, 29.

HAB. Java, Malayan peninsula, Singapore, China, Philippine Islands, Cochin China, Tenasserim, India, Bengal, Nepal, Hindostan, Bombay. B. M.

6. LINSANG.

1. *Linsang gracilis*, Muller, *Verh.* *Felis (Prionodon) gracilis*, *Horsf. Java*. *Prionodon gracilis*, *Waterhouse, Pro. Zool. Soc.*, 1842, 114; *Cantor, Mamm. Malay*, 29. *Viverra?* *Linsang*, *Hardw. Linn. Trans.* *Viverra Hardwickii*, *Lesson*, not *Gray*. *V. Genetta*, *Deschamp*. *Paradoxurus prehensilis*, *Schinz*.

HAB. Java, Sumatra; *Muller*. Borneo, Malayan peninsula, Siam; *Cantor*. B. M.

7. HERPESTES.

1. *Herpestes Javanicus*, Desm.; *Gray, List Mamm. Brit. Mus.* 51; *Muller, Verh.*; *Cantor, Mamm. Malay*, 38. *Mangusta Javanica*, *Horsf. Zool. Java*. *Mustela?* *glauxa*, *Linn.* *M. galera*, *Desch.*

HAB. Java; *Horsf.* Penang, Malayan peninsula; *Cantor*. B. M.

2. HERPESTES *griseus*, Desm. *Mamm.*; *Cantor, Mamm. Malay.*, 34. Ichneumon *griseus*, *Geoff.* *Mangusta grisea*, *Fischer*. *M. Malaccensis*, *Fischer*, *Syn. Mamm.* *H. Edwardsii*, *Fischer*. *M. Nyula*, *Hodgson*. *H.?* *pallidus*, *Schinz*.

HAB. Malayan peninsula; *Cantor*. Bengal, Hindostan, Scinde, Nepal. B. M.

3. HERPESTES *Nepalensis*, Gray, *Mag. Nat. Hist.* *Mangusta auropunctata*, *Hodgson*. *Herpestes auropunctata*, *Hodgson*; *Cantor, Mamm. Malay.*, 34. *H. Javanica*, *Hodgson*, not *Horsf.* *H. Edwardsii*, *Ogilby*.

HAB. Malayan peninsula; *Cantor*. Bengal? Nepal? Scinde? Afghanistan? B. M.

4. HERPESTES *brachyurus*, Gray, in *Lond. Mag. Nat. Hist. new Series*, i. 1836, 578. *Cantor, Mamm. Malay.*, 35. (PLATE III.)

Black hairs, yellow-ringed; under fur brown; face, cheeks, and sides of neck yellower; belly and tail darker; throat pale yellow-brown; forelegs and feet blackish; tail thick, about half as long as the body.

HAB. Malaccas, Malayan peninsula; called *musang turon*; *Cantor*. Borneo. B. M.

This species has much the appearance of *H. paludosus*, of South Africa, but is easily known by the yellower colour of the rings on the hair, and the shortness of the tail.

5. HERPESTES *semitorquatus*, Gray, *Ann. and Mag. Nat. Hist.* xviii. 211. (1846). (PLATE IV.)

Dark brown, yellow grisled; sides and beneath rufous; feet blacker; tail paler; lips thin; throat and lower part of the side of the neck rufous, separated from the colour of the upper part of the neck by a well-defined straight line; fur rather rigid, with a fine brown undercoat; longer hair of the back dark brown, with a broad reddish yellow, sub-terminal band; of the sides bright red-bay; of tail pale yellow, with a broad dark band and yellowish tip. Length, head and body 18.6; tail 11 inches.

HAB. Borneo. B.M.

8. CYNOGALE.

1. CYNOGALE *Bennetti*, Gray, *Mag. Nat. Hist.* 1836, 1. 579; *Pro. Zool. Soc.*, 1836, 56; *Eydoux and Souleyet, Voy. Bonite Zool.* 24. t. 6; *Cantor, Mamm. Malay.*, 38. *Potamophilus barbatus*, *Muller, Zijdsch. N. G. v.* 140 183; *Verh.* 115. t. 17. *Viverra (Limictis) Carcharias*, *Blainville, Ann. Sci. Nat.* viii. 279. t. 8 a.

HAB. Borneo; *Muller*. Sumatra and Malayan peninsula; called *Pane*; *Cantor*. B. M.

9. ARCTICTIS.

1. ARCTICTIS *Binturong*, Fischer, *Syn. Mamm.*; *Cantor, Journ. As. Soc. Beng.* xv.; *Mamm. Malay.* 22. *Viverra?* *Binturong*, *Raffles, Linn. Trans.* xiii. 253. *Binturong*, *Farquhar, Icon.* incd. *Gray, Pro. Zool. Soc.*, 1831, 64. *Paradoxurus albifrons*, *F. Cuvier*. *Ictides ater*, *F. Cuvier*; *Blainv.*; *Calcutta Journ. Nat. Hist.* iii. 210. *Arctictis penicillata*, *Temm.*

HAB. Malacca ; *Farquhar, Raffles* ; called *unturong*. Tenasserim, Arracan, Assam, Bholan ; *Duvaucell*. Nipal ; *Hodgson*. Java and Sumatra ; *Muller*. B. M.

10. PAGUMA.

1. PAGUMA *leucomystax*, Gray, *List Mamm. Brit. Mus.* 55 ; *Cantor, Mamm. Malay*, 30. *Paradoxurus leucomystax*, *Gray, Mag. Nat. Hist.* 1836, 579 ; *Temm. Monog.* ii. t. 64. f. 4, 6 ; *Muller, Verh.* 55. *Amblyodon auratus*, *Jourdan*.

HAB. Sumatra, Bornco ; *Muller*. Malayan peninsula, Singapore ; called *musang bulan* ; *Cantor*. B.M.

2. PAGUMA *trivirgata*, Gray, *List Mamm. Brit. Mus.* 59. *Paradoxurus trivirgatus*, *Gray, Pro. Zool. Soc.*, 1832, 68 ; *Muller, Verh.* 55. *Viverra trivirgata*, *Reinw. MSS.* ; *Gray, Spic. Zool.* 9.

HAB. Java ; *Muller*. Malayan peninsula, Singapore, and Tenasserim ; called *musang akar* ; *Cantor*. B. M.

11. PARADOXURUS.

1. PARADOXURUS *Zeylanicus*, Gray, *List Mamm. Brit. Mus.* 55. *Martes Philippensis*, *Camel, Phil. Trans.* xxv. 2204. *Viverra Ceylonica*, *Pallas*. *V. Zeylanica*, *Schreb.* *V. Ceylonensis*. *Bodd.* *Paradoxurus Philippensis*, *Temm. Monog.* ii. not *Jourd.* *P. aureus*, *F. Cuv. Mem. Mus.* ix. 7. t. 4.

HAB. Philippines. B. M.

2. PARADOXURUS *Pallasii*, Gray, *Pro. Zool. Soc.*, 1832, 67 ; *Illust. Ind. Zool.* *P. albifrons*, *Bennett*, *MSS.* *Viverra* ? *fasciata*, *Desm.* *V. Geoffroyii*, *Fischer*. *P. Musanga*, *Cantor, Mamm. Malay*, 34.

HAB. Malacca, Malayan peninsula, Penang, Singapore ; called *musang* ; *Cantor*. B. M.

3. PARADOXURUS *Musanga*, Gray, *Pro. Zool. Soc.*, 1832, 66 ; *Muller, Verh.* 54. *Viverra Musanga*, *Raffles* ; *Horsf.* *P. dubius*, *Gray, l. c.* 66.

HAB. Java, Sumatra, Borneo. B. M.

12. HEMIGALEA.

1. HEMIGALEA *Hardwickii*. *Viverra Hardwickii*, *Gray, Spic. Zool.* 9 (1830), not *Lesson*. *Hemigalea Zebra*, *Jourdon, Comp. Rendus*, 1837, 442 ; *Blainv. in Ann. Sci. Nat.* viii. 270 (not *Hemigaleus*, *Muller*). *Viverra Boiei*, *S. Muller, Tijdsch. N. G.* v. 144. *Paradoxurus Derbianus*, *Gray, Pro. Zool. Soc.* 1837, 67 ; *Mag. Nat. Hist.* 1837, f. 579 ; *Cantor, Mamm. Malay*, 32 ; *Waterhouse, Pro. Zool. Soc.*, 1842, 114 ; *Viverra Derbyi*, "Gray" file *Temm. Monog. Mamm.* 1841. ii. 343 ; *Eydoux and Souleyet Voy. Bonite*, 28. t. 5. *Paradoxurus Zebra*, *Gray, Mag. Nat. Hist.* 1837, 579.

HAB. Malacca ; *Farquhar*. Malayan peninsula ; called *masang batu* or *sangah prao* ; *Cantor*. Borneo ; *Muller*. B. M.

13. CUON.

1. CUON *primævus*, Hodgson, *Trans. Asiatic. Soc.* ; *Cantor, Mamm. Malay*, 26. *Canis primævus*, *Hodgson*. *Chrysæus primævus*, *H. Smith*. *Canis Dukhunensis*, *Sykes, Pro. Zool. Soc.*

HAB. Malayan peninsula ; called *anjing utan* ; *Cantor*. Bengal, Nipal. B. M.

2. CUON Sumatrensis. Canis Sumatrensis, *Hardw. Linn. Trans.* xiii. t. 23. Canis rutilans, *Boie MSS.*; *Muller, Verh.* 51. C. Javanicus, *F. Cuvier*.

HAB. Java, Sumatra? Borneo. B. M.

Is this different from the former, or does the Malacca specimen belong to this species?

14. MARTES.

1. MARTES *flavigula*, Hodgson; *Cantor, Mamm. Malay*, 24. Mustela flavigula, *Bodd.* Mustela Hardwickii, *Horsf. Zool. Journ.* Viverra quadricolor, *Shaw.* Must. leucotis, *H. Smith.* M. Henrici, *Boie.* M. lasiotis, *Temm.*

HAB. Java, Sumatra; *Temm.* Malay peninsula; called *anga prao*; *Cantor.* India, Nepal. B. M.

15. PUTORIUS.

1. PUTORIUS *nudipes*, F. Cuvier; *Cantor, Mamm. Malay*, 24. Mustela nudipes, *Desm.*

HAB. Sumatra, Borneo; *Temm.* Malayan peninsula; called *pulosan*; *Cantor.*

16. MYDAUS.

1. MYDAUS *meliceps*, F. Cuvier. Mephitis Javanensis, *Raffles.* Ursus foetidus, *Desch.*

HAB. Java and Sumatra. B. M.

17. HELICTIS.

1. HELICTIS *orientalis*. Gulo orientalis, *Horsf.*

HAB. Sumatra. B. M.

18. LUTRA.

1. LUTRA *nair*, F. Cuvier; *Sykes*; *Cantor, Mamm. Malay*. 25. Lutra Indica, *Gray.* L. Chinensis, *Gray, Mag. Nat. Hist.* 1836. L. Tarayensis, *Hodgson.*

HAB. Malayan peninsula; *Cantor*; called *anjin ayer*. China, Bombay, South Mahratta.

2. LUTRA? *Simung*, Muller, *Verh.* 51; *Marsden's Sumatra*, t. 12.

HAB. Sumatra, Borneo; *Temm.* Malayan peninsula; called *murang* or *amrang*; *Cantor.*

19. AONYX.

1. AONYX *leptonyx*, Gray, *List Brit. Mus.* 71; *Cantor, Mamm. Malay*. 25. A. Horsfieldii, *Gray.* Lutra leptonyx, *Horsf.*; *Muller, Verh.* 51. L. cinerea, *Illiger.* L. perspicillata, *J. Geoff.* Mustela fusca, *Desch.* Mustela Lutra, *Marsden.*

HAB. Java, Sumatra, Borneo. India, Nepal, Malayan peninsula; called *anjin ayer*; *Cantor.*

Fam. 6. URSIDÆ.

1. HELARCTOS.

1. HELARCTOS *Malayanus*, Horsf.; *Cantor, Mamm. Malay.* 21. *Ursus Malayanus*, *Raffles*.

HAB. Sumatra; *Raffles*. Malayan Peninsula; called *bruang*. Tenasserim Provinces, Assam; *Cantor*.
B. M.

Var. β . *H. Euryspilus*, Horsf. *Zool. Journ.* i. 221. t. 7. *U. Malayanus* var. *Temm*.

HAB. Borneo. B. M.

Fam. 7. TALPIDÆ.

1. TUPAIA.

1. TUPAIA *Javanica*. *Hylogalea Javanica*, *Horsf. Java*; *Muller, Verh.* 161. 165. t. 26. f. 27.
Cerp, *F. Cuvier, Mamm. Lith.*

HAB. Java, Sumatra, and Borneo. B. M.

2. TUPAIA *ferruginea*, Raffles, *Linn. Trans.* xiii. 256; *Cantor, Mamm. Malay.* 18; *Horsf. Java*.
Hylogalea ferruginea, *Temm*. *Cladobates ferruginea*, *F. Cuvier*. *Glisorex ferruginea*, *Desm.*; *Muller, Verh.* 160. 163. t. 26. 27. *Herpestes n. sp.* *McClelland, Calcutta Journ. Nat. Hist.* ii. 458. t. 13 $\frac{1}{2}$. *Sorex Glis*, *Diard. As. Research.* xiv. t. 9.

HAB. Java, Sumatra, Borneo; *Temm*. Malayan peninsula, Penang, Singapore; called *tupai tana*;
Cantor. B. M.

3. TUPAIA *Tana*, Raffles, *Linn. Trans.* xiii. 257; *Horsf. Zool. Java*. *Hylogalea Tana*, *Muller, Verh.* 160. 161. t. 26. 27. *Cladobates speciosus*, *Wagner, Sought. Supp.* 43.

HAB. Sumatra, Borneo. B. M.

2. DENDROGALE.

1. DENDROGALE *murina*, Gray, *Pro. Zool. Soc.*, 1848, 23. *Hylogalea murina*, *Muller, Verh.* p. 50.
161. 167. t. 26. 27.

HAB. Borneo.

3. PTILOCERCUS.

Head moderately large, tapering; whiskers elongated, rather rigid. Ears moderate, naked, exposed. Body slender, fur soft. Limbs moderately elongated, nearly equal. Toes 5.5. rather compressed, free. Thumb moderate, like the toes but shorter. Claws short, compressed, triangular, acute. Tail elongate, cylindrical, hairy quite at the base, then naked, covered with rings of square, broad, depressed scales, and short scattered hairs, and the hinder third with a series of elongate hairs, forming a barb on each side. Skull conical;

face rather short. Cutting teeth $\frac{1.1.1.1.}{3.3.}$: upper elongate, far apart, rather curved; lower shelving, front pair conical, small, shorter than the middle pair, which are elongate, curved, acute, the hinder smallest and shortest. Canines none. Grinders $\frac{7.7}{7.7}$, the front 3.3 in each jaw, small; the hinder 4.4 large, square, acutely tubercular.

The skull is shorter, broader, and the face less elongated than that of the different species of *Tupaia*, and it differs from them in the two front teeth of the lower jaw being smaller and shorter than the succeeding one, while in all the species of *Tupaia* (including the genus *Dendrogale*) figured by Temminck, the four front teeth of the lower jaw are equally elongated. The hinder cutting tooth in the upper jaw is placed on the suture of the intermaxillary (and hence may be a true canine) and not in front of the suture of the intermaxillary, as is the case with the skull of *Tupaia tana* and *T. ferruginea* in the British Museum collection.

Borneo may be regarded as the proper home of the subfamily *Tupaina*, as it possesses all the genera, *Tupaia*, *Hylomys*, and one which, from the form of its tail, may be called *Ptilocercus*.

The true *Tupaia* have a broad hairy tail like the squirrels; the *Hylomys* have a very short, slender, cylindrical tail, covered with short close adpressed hair; and the *Ptilocercus*, on the other hand, have an elongated cylindrical tail, covered with rings of square broad scales, like the long-tailed rats, but the end of the tail is furnished with a series of rigid hairs on each side, like the barb of an arrow. I may remark, that besides the genera here noticed, the Dutch naturalists have described an animal under the name of *Hylogalea murina*, Verh. Mamm. t. 26. f. 3. t. 27. f. 17–18, also from Borneo, which differs from the *Tupaia* (or *Hylogale*) in having a cylindrical tail covered with short hair, but furnished with a pencil of longer hair at the tip, which I propose to separate from the other under the name of *Dendrogale*. Each of these genera has a peculiar livery; the *Tupaia* are grizzled yellow and brown, with a yellow streak across the shoulders; the *Hylomys* are uniform dark-coloured; the *Dendrogale* and *Ptilocercus* have no shoulder-streak, but a dark streak on the side of the face inclosing the eyes; the former having a white spot on the forehead not observed in the latter.

At first sight *Ptilocercus* has much the appearance of a marsupial animal allied to *Cuscus*, but this resemblance proves to be only in the mere external form, when the characters are examined, as, for example, it wants the large great-toe of that group.

The skulls of *Tupaia* and *Ptilocercus* have a considerable resemblance to those of the *Lemuridæ*, and particularly in having the orbits entire. The *Tupaia* are peculiar in having a large elongated aperture on the hinder-part of the middle of the zygomatic arch, while the *Ptilocercus* has only a small round perforation in the front part of the middle of the same part, which is probably the analogue of the hole in the former genus.

1. PTILOCERCUS *Lowii*, Gray, *Pro. Zool. Soc.*, 1848, 24. (PLATE V.)

Blackish brown, very minutely grizzled with the yellowish tips of the hairs; lips, lower part of cheeks, chin and beneath yellowish: sides of the face, inclosing the eyes, black. Tail black; barbs white, except a few hairs near the scaly part, which are black.

Length $5\frac{1}{2}$ inches; tail $6\frac{1}{2}$; hind foot 1. Skull: length 1" 4" tooth line, $7\frac{1}{2}''$; of face 5"; of zygomatic arch $7\frac{3}{4}$, width at zygomatic arch $9\frac{1}{2}''$, at temples $6\frac{1}{2}''$, between orbits $3\frac{3}{4}''$.

HAB. Borneo (Sarawak); *J. Brooke, Esq.* B. M.

I have named this species after my friend Mr. Hugh Low, who has much enriched our knowledge of the natural productions of Borneo.

4. HYLOMYS.

1. HYLOMYS *suillus*, Muller, *Verh.* 50. 153. t. 25, 26.

HAB. Java and Sumatra. B. M.

5. SOREX.

1. SOREX *myosurus*, Pallas. S. *cæruleocephalus* var., *Raffles.* S. *murinus*, *Linn.*; *Cantor, Mamm. Malay.* 21.

HAB. Java, Sumatra, Borneo, Amboina, Penang; called *chinchorot*; *Cantor.* B. M.

2. SOREX *tenuis*, Muller, *Verh.* 50.

HAB. Timor.

6. GYMNURA.

1. GYMNURA *Rafflesii*, Lesson; *Vigors and Horsfield*; *Cantor, Mamm. Malay.* 26. Viverra? *Rafflesii*, *Raffles.*

HAB. Malacca; *Farquhar*; *Cantor.* Sumatra. B. M.

Var. *Borneensis*. G. *Rafflesii* var., *Waterhouse, Pro. Zool. Soc.*, 1842, 114.

HAB. Borneo. *J. Brooke, Esq.*

Fam. 8. MACROPODÆ.

1. CURSUS.

1. CURSUS *orientalis*, Gray, *List. Mamm. Brit. Mus.* 84. Phalangista *cavifrons*, *Temm. Mon.* i. t. 1. *Didelphis orientalis*, *Linn.* Ph. *rufa* and Ph. *alba*, *Geoff.*

HAB. Amboina, Timor. B. M.

Capt. Sir Edward Belcher brought home a female specimen of this species which is now in the British Museum.

2. *Cuscus ursinus*, Lesson, *Mamm.* 219. *Phalangista ursina*, *Temm. Monog.* i. 10. t. 1. t. 2.

HAB. Celebes; *Temm.* B. M.

3. *Cuscus chrysorrhos*. *Phalangista chrysorrhos*, *Temm. Monog.* i. 12. t. 1.

HAB. Amboina.

4. *Cuscus maculata*, Lesson, *Zool. Coq.* i. t. 5. *Phalangista maculata*, *Temm. Monog.* i. 14. t. 2.

HAB. Amboina, New Guinea.

ORDER III. CETE.

Fam. 1. DELPHINIDÆ.

1. STENO.

1. *STENO Malayanus*, Gray, *Zool. Erebus and Terror*, 43. *Delphinus plumbeus*, *Dussumier*; *Cuvier. R. A.* i. 288; *Cantor, Mamm. Malay.* 66. *D. Malayanus*, *Lesson, Voy. Coq.* t. 9. f. 5. *D. Capensis*, *Rapp, Cetac.* t. 2. f. 1 (not *Gray*). *D. Rappii*, *Reich, Cetac.* 117. 48. t. 18. f. 57. *D. à ventre roux*, *Voy. Pol. Sud.* t. 22. f. 2. t. 23. f. 3, 4.

HAB. Coast of Penang; called *parampuan laut*; *Cantor*. Malabar Coast. B. M.

Fam. 2. HALICORIDÆ.

1. HALICORE.

1. *HALICORE dugung*, F. Cuvier. *Halicoe Indicus*, *Desm.*; *Cantor, Mamm. Malay.* 66; *Owen Inkes, Voy. H.M.S. Fly*, ii. 323. f. 2, 4, 6. *Trichechus dugong*, *Eixeb.* *Halicoe cetacea*, *Huger. H. dugong*, *Cuvier*; *Raffles*. *Dugong*, *Home, Phil. Trans.* 1821. t. 20. *Dugungus marinus*, *Tiedemann*. Indian Walrus, *Penn*.

HAB. Malayan peninsula, Singapore; called *dugong* or *parampuan laut*; *Cantor*. Sumatra, Philippines, Molucca, Sunda Island.

ORDER IV. GLIRES.

Fam. 1. MURIDÆ.

1. MUS.

1. *Mus setifer*, Horsf. *Zool. Java*; *Gray, Pro. Zool. Soc.*, ii. 40; *Cantor, Mamm. Malay.* 46. *M. giganteus*, jun., *Temm.*

HAB. Java, Sumatra; *Temm.* Penang; called *tikus virok*; *Cantor*.

2. *Mus Bandicota*, Bechstein; *Cantor*, *Mamm. Malay.* 45. *M. giganteus*, *Hardw. Linn. Trans. Temm.* *M. Malabaricus*, *Shaw*. *M. perchal*, *Shaw*. *M. Jeria*, *Buch, Ham. MSS.* *M. nemorivagus*, *Hodgson*. *Bandicote Rat*, *Penn.*

HAB. Java, Sumatra, Malay peninsula; called *tikus besar*; *Cantor*. Bengal, Nepal, South Mahratta country. B. M.

3. *Mus decumanus*, Pallas, *Glires*, 91; *Cantor*, *Mamm. Malay.* 46. *Mus Norvegicus*, *Brisson*.

HAB. Java, Sumatra, Banda, Borneo, Celebes, Amboina, Timor, Malayan peninsula, Penang; called *tikus*; *Cantor*. B. M.

4. *Mus rufescens*, Gray, *Mag. Nat. Hist.*; *Cantor*, *Mamm. Malay.* 46. *M. flavescentis*, *Elliot*. *M. rufus*, *Elliot*.

HAB. Penang; *Cantor*. Dharwar, Madras, Bengal, Arracan. B. M.

5. *Mus musculus*, Linn.; *Cantor*, *Mamm. Malay.* 46.

HAB. Penang; called *tikus ruma*; *Cantor*. B. M.

2. PHLÆOMYS.

1. *PHLÆOMYS Cumingii*. *Mus (Phlæomys) Cumingi*, *Waterhouse, Pro. Zool. Soc.*, 1839, 108.

HAB. Philippines, Island of Luzon. B. M.

3. ? PITHECHIR.

1. *PITHECHIR melanurus*, F. Cuvier, *Mamm. Lithog.*

HAB. Java. Only known from a drawing.

Fam. 2. HISTRICIDÆ.

1. ACANTHION.

1. *ACANTHION (Acantherium) Javanicum*, Gray, *Pro. Zool. Soc.*, 1847, 102. *A. Javanicum*, *F. Cuv. Mamm. Mus.* ix. t. 1. f. 3, 4. *Hystrix brevispinosus*, *Wagner*. *H. torquatus*, *Mus. Leyden*. *H. longicauda*, *Marsden, Sumatra*; *Cantor, Mamm. Malay.* 48. *H. macroura*, *Muller, Verh.*

HAB. Java, Borneo, Sumatra, Malayan peninsula; called *buli landae*; *Cantor*. B. M.

2. ATHERURA.

1. *ATHERURA fasciculata*, Cuvier; *Gray, Pro. Zool. Soc.*, 1847, 104. *Hystryx macroura*, *Linn.* from *Seba*. *H. fasciculata*, *Shaw* from *Buffon*; *Gray, Illust. Ind. Zool.* 6; *Temm.* *Mus fasciculata*, *Desm. Landak*, *Marsden, Sumatra*; *Raffles, Linn. Trans.* *H. opeigura*, *Hamilton, MSS.*; *As. Research.* xiv. 222.

HAB. Sumatra; *Raffles*. Borneo, Celebes; *Seba*. Penang; called *landak*; *Cantor*.

Fam. 3. LEPORIDÆ.

1. LEPUS.

1. *LEPUS kurgosa*, Buchan. *Mysore*, i. 169. *Lepus nigricollis*, *F. Cuvier*; *Muller, Verh.* *L. melanuchen*, *Temm.* *L. ruficollis*, *Mus. Paris*.

HAB. Java; *Muller*. India. B. M.

Fam. 4. JERBOIDÆ.

1. PTEROMYS.

1. *PTEROMYS nitidus*, *Muller, Verh.* 107. 112. *S. petaurista*, fem., *Cuvier, Reg. Anim.* *P. alboventer*, *Gray, Pro. Zool. Soc.*, 1836, 88.

HAB. Java, Sumatra, Borneo. B. M.

2. *PTEROMYS elegans*, *Muller, Verh.* 56. 107. 112. t. 16. f. 1, 2, 3. *Pteromys punctatus*, *Gray, Ann. and Mag. Nat. Hist.* xviii. 1846, 211. *P. nitidus*, var., *Cantor, Mamm. Malay.* 44, note.

HAB. Java; *Temm.* Molucca; *Cantor*. B. M.

3. *PTEROMYS melanotis*, *Gray, Pro. Zool. Soc.*, 1836, 88. *P. nitidus*, *Gray, Illust. Ind. Zool.*
P. Diardii, *Temm. MSS.*

HAB. Siam. B. M.

2. SCIUROPTERUS.

1. *SCIUROPTERUS Horsfieldii*, *Gray, List. Mamm. Brit. Mus.* 134; *Cantor, Mamm. Malay.* 45.
Pteromys (Sciuropterus) Horsfieldii, *Waterhouse, Pro. Zool. Soc.*, 1837, 87. *P. aurantiacus*, *Wagner, Weigm. Arch.* 1843.

HAB. Malacca; *Gray*. Malayan peninsula; *Cantor*. Sumatra? or Java? *Waterhouse*. B. M.

2. *SCIUROPTERUS sagitta*, Desm. *Pteromys sagitta*, *Geoff.*; *Muller, Verh.* 109, 113. *Petaurista sagitta*, *Link*. *Sciurus sagitta*, *Schreb. Supp.* t. 224.

HAB. Java, Sumatra, Banka.

3. *SCIUROPTERUS genibarbis*, *Cantor, Mamm. Malay.* 48. *Pteromys genibarbis*, *Horsfield, Zool. Java*.
P. lepidus, *Horsf. Java*.

HAB. Java; called *keehubu*; *Horsf.* Malayan peninsula; *Cantor*. B. M.

3. SCIURUS.

1. *SCIURUS Javensis*, *Schreb. Gaugth.* t. 216. *Sciurus bicolor*, *Sparrm.*, *Goetheb. Handl.* 1778. 70.
Horsf. Zool. Java; *Muller, Verh.* 85, 88; *Cantor, Mamm. Malay.* 38. *S. Bemgmaricus*, *M'Clelland*.
S. Madagascariensis, *Shaw*.

HAB. Java, Sumatra, Malacca, Cochin China, Assam; *Temm.* Penang; called *chingkrawah etam*.
B. M.

2. SCIURUS *ephippium*, S. Muller, *Tijdsch. N. G.* 1838, 147; *Verh.* 86. 91. t. 13; *Waterhouse, Pro. Zool. Soc.*, 1842, 116. S. Javensis, var.?

HAB. Borneo; *Brooke.* B. M.

3. SCIURUS *hypoleucus*, Horsfield, *Zool. Java*; *Muller, Verh.* 85, 90. S. *humeralis*, *Coulson?*
S. *Fimlaysonii*, *Horsf. Z. R.* S. *aureiventer*, *J. Geoff. Guerin. Mag. Zool.* 1841, t. 5; 1842, t. 34. S. *Leschenaultii*, *Desm. N. Dict. H. N.* x. 105. S. *albiceps*, *Desm.*

HAB. Java. B. M.

4. SCIURUS *aureiventer*, J. Geoff.; *Gray.* S. *bicolor*, var., *Horsfield*; *Cantor, Mamm. Malay.* 39.

HAB. Java. B. M.

5. SCIURUS *hippuris*, J. Geoff. *Mag. Zool.* 1832. t. 6. S. *caudatus*, *McClelland, Pro. Zool. Soc.*, 1839,
151; *Cantor, Mamm. Malay.* 41; *Muller, Verh.* 86.

Var. 1. S. *rufogaster*, Gray.

Var. 2. S. *castaneoventris*, Gray, *fide* Cantor.

HAB. Java, Sumatra, Assam; *Cantor.* B. M.

6. SCIURUS *Rafflesii*, Vigors and Horsf. *Zool. Journ.* iv. 113, t. 4; *Muller, Verh.* 56. 86. 93; *Cantor, Mamm. Malay.* 40; *Gervais, Mag. Zool.* 1842, t. 33. S. *Prevostii*, *Desm. Mam.* 335.

Var. 1. S. *rufogularis*, Gray.

Var. 2. S. *rufoniger*, Gray.

Var. 3. S. *redimitus*, Boon.

Var. 4. S. *Bornoensis*, S. *Rafflesii*, var., *Waterhouse, Pro. Zool. Soc.*, 1842, 116.

Var. 5. S. *Indica*, Muller, *Verh.* 86.

HAB. Borneo. Malacca; called *tupai belang*; *Cantor.* B. M.

7. SCIURUS *nigrovittatus*, Horsf. *Zool. Java*; *Muller, Verh.* 86. 95; *Cantor, Mamm. Malay.* 42. S. *griseiventer*, *J. Geoff. Mag. Zool.* 1832.

HAB. Java, Sumatra, Borneo, Malacca, Canton; *Temm.* Malayan Peninsula; *Cantor.* B. M.

8. SCIURUS *Platani*, *Zool. Java.* S. *bilineatus*, *Geoff. Desm. Mamm.* 336. S. *notatus*, *Bodd.*

HAB. Java, Sumatra. B. M.

9. SCIURUS *tenuis*, Horsf. *Java, Cantor, Mamm. Malay.* 42. Var.? *Sciurus modestus*, *Muller, Verh.* 55. 87. 96. t. 14. f. 1. 3.

HAB. Sumatra, Borneo, Malacca, and Canton. Singapore; *Cantor.* B. M.

10. SCIURUS *vittatus*, Raffles, *Linn. Trans.* xiii. 259; *Muller, Verh.* 86, 94; *Cantor, Mamm. Malay.*
 42. *Macroxus Toupai*, *Lesson*. *Sciurus bivittatus*, *Desm. Mamm.* 543 ? *S. flavimanus*, *J. Geoff.*
 HAB. Sumatra, Borneo, Malacca; *Cantor*; *Temm.* Malayan peninsula, Singapore, Penang; called
Toupai.
11. SCIURUS *rubiventer*, Forsten; *Muller, Verh.* 86.
 HAB. Celebes.
12. SCIURUS *leucomus*, Forsten; *Muller, Verh.* 87.
 HAB. Celebes.
13. SCIURUS *murinus*, Forsten; *S. Muller, Verh.* 87.
 HAB. Celebes.
14. SCIURUS *Philippinensis*, Waterhouse, *Pro. Zool. Soc.*, 1839, 117. *Sciurus, Cuming, Pro. Zool. Soc.*
 1838, 66.
 HAB. Philippines, Mindanado.
15. SCIURUS *insignis*, Desm., *Mamm.* 544; *Horsf. Zool. Java*; *F. Cuv. Mamm.*; *Muller, Verh.* 87, 93.
Grev. Mag. Zool. 1842, t. 32.
 HAB. Java, Sumatra, Borneo; *Temm.* China? *Reeves.* B. M.
16. SCIURUS *melanotis*, S. Muller, *Verh.* 87, 98. t. 14. f. 4, 5.
 HAB. Java, Sumatra, Borneo. B. M.
17. SCIURUS *exilis*, S. Muller, *Tijd. N. G.* 148. *Verh.* 87. 97. t. 15. f. 4, 6.
 HAB. Sumatra, Borneo. B. M.

4. RHINOSCIURUS.

1. RHINOSCIURUS *Tupaoides*, Gray, *List. Mamm. Brit. Mus.* 195. *Sciurus laticaudatus*, var., *Cantor, Mamm. Malay.* 43.
 HAB. Malacca; *Gray*. Malayan peninsula; *Cantor*. B. M.
 Var. 1. *Sciurus laticaudatus*, *Diard.*; *Muller, Verh.* 87. 100. t. 15. f. 1. 3.
 HAB. Borneo (west coast).

Fam. 7. ASPALACIDÆ.

1. RHIZOMYS, *Gray*.

1. RHIZOMYS *Sumatrensis*, Gray, *Pro. Zool. Soc.*, 1831, 98; *Cantor, Mamm. Malay.* 47. *R. Decan*,
Schinzi. *R. Sinensis*, *Cuming, Pro. Zool. Soc.*, 1848, 62 (not *Gray*). *R. cinereus*, *M'Clelland, Calcut.*

Journ. Nat. Hist. ii. 456. t. 14. Bamboo Rat, *Farquhar, Icon.* Mus Sumatrensis, *Raffles, Linn. Trans.* xiii. 258; *Temm. Mus. Leyden.* Hypudeus de Sumatra, *Temminck, Monog.* i. Nyctocleptis Dekan, *Temminck, Monog.* (very bad); *Voy. Bonite.* Rat Taupe de la Sonde, *Cuvier, R. A.* Spalax Javanus, *Cuvier, R. A.* ed. 2. i. 211.

HAB. Malayan peninsula; called *tikus bulow*; *Cantor.* Malacca; *Farquhar*; *Raffles.* Assam; Moulmein. (not Sumatra.)

ORDER V. UNGULATA.

Fam. 1. BOVIDÆ.

1. BOS.

1. *Bos Taurus*, var. *Indicus*, *Linn.*; *Cantor, Mamm. Malay.* 65.

HAB. Domesticated, Malay peninsula; called *sapi*; the bull, *sapi jatan*; cow, *sapi betina*; *Cantor.*

2. BIBOS.

1. BIBOS *Gaurus*, Hodgson, *Icon.* t. 137; *Gray, Cat. Hodgson Collection*, 24. Bos Gaurus, *H. Smith, Griffith, A. K.* x. 894. Bos Gaur, *Evans.* Bos Gour, *Trail, Edin. Phil. Journ.* 1824; *Cantor, Mamm. Malay.* 64. *Bisonius subhemachalensis*, *Hodgson, Icon.* Bos Bubalus gauvera, *Penn.* Bibos cavifrons, *Hodgson.* The Bison, *Lowe, Hist. Tenasserim.*

HAB. India, Malayan peninsula; called *sapi utan*. Tenasserim, Hindostan, Assam, and Nepal; *Cantor.* (Common.) B. M.

2. BIBOS *Sondaicus*. Bos Sondaicus, *Muller, Verh.* t. 35. Bos Bantinger, *Temm. Mus. Leyden.* B. *frontalis*, part, *Fischer, Syn.*

HAB. Java, Borneo; called *bantinger*. B. M.

This species is very distinct from *Bos frontalis* and *B. gaurus*.

Is the *Sapi utan* of Malacca this species, or *B. gaurus*?

3. BUBALUS, *H. Smith.*

1. BUBALUS *Buffalus*, *Gray, List. Mamm. Brit. Mus.*; *Catal. Hodgson Coll.* 25. Bos Indicus, *Pliny.* Bos Bubalus, *Linn.* Bos Buffalus, *Brisson.* Bos arnee, *Shaw.* Bubalus Arna, *Hodgson.* Bubalus ferus Indicus, *Hodgson.* Wild Buffalo.

HAB. Malay peninsula. Domesticated, Penang, Singapore; called *karbau*; *Cantor.* Tenasserim, Nepal, Southern China.

4. ANOA.

1. *Anoa depressicornis*, H. Smith, *Griff. A. K.* Bos (*Anoa*) *depressicornis*, *Gray, Spic. Zool.* 12. t. 11. f. 2, 3. *Antelope platyceros*, *Temm. MSS. Mus. Leyd. (Skin.)* A. *Celebica*, *Temm. MSS. Mus. Leyd. (Skull)*. *A. depressicornis*, *H. Smith, Griff. A. K.; Muller, Verh.; Ann. Sci. Nat.* xix. 100. t. 10. *Anoa compressicornis*, *Leach.* *Anoa Loten's, MSS.* see *Pennant Quad.* 6. *Annoa, Zimm. Geog. Zool.* ii. 93; *Donnd. Zool. Beitr.* i. 703. ? *Buffalo with small horns, Cuming, Pro. Zool. Soc.*, 1839, 93.

HAB. Celebes (Philippines?). B. M.

5. NEMORRHEDUS.

1. *Nemorrhedus Sumatrensis*, *Gray, List. Mamm. Brit. Mus.* *Antelope Sumatrensis, Pennant, Shaw. Zool.* ii. 354; *Raffles.* *A. interscapularis, Lichst.* *Kambing utan, Marsden, Sumatra*, 93. *Cambantan, F. Cuvier.*

HAB. Sumatra, Malayan peninsula; called *kambing utan*. *Tenasserim; Cantor.* (Common.)

6. TRAGULUS.

1. *Tragulus Javanicus*, Pallas; *Gray; Cantor, Mamm. Malay*, 61. *Moschus Javanicus, Gmelin; Raffles; Muller.* *M. Indicus, Gmelin.* *Tragulus affinis, Gray.* *M. napu, F. Cuvier?* *Napu, Raffles.*

HAB. Java; *Muller.* Malayan peninsula; called *napu*; *Cantor.* B. M.

2. *Tragulus kanchil, Gray, List. Mamm. Brit. Mus.* 173; *Cantor, Mamm. Malay*, 60. *Moschus napu, Muller.* *M. kanchil, Raffles; Gray, Pro. Zool. Soc., 1836, 64.* *M. Pelandoe, Marsden; Raffles; H. Smith.* *M. fulviventer, Gray, Pro. Zool. Soc., 1836, 65.*

HAB. Sumatra, Borneo; *Muller.* Malayan peninsula; called *kanchil* or *pelandoe*; *Cantor.* B. M.

We have received a variety of *Memina Indicus* (*Moschus Memina*) from Singapore, *M. Malaccensis*, List Mamm. Brit. Mus. 172, but Dr. Cantor does not mention it in his list of the Mammalia of the Malayan Peninsula, so that perhaps the animal had been imported there.

7. MUNTJACUS.

1. *Muntjacus vaginalis, Gray, List. Mamm. Brit. Mus.* 173. *Cervus muntjac, Zimm.*; *Muller, Verh.* *C. vaginalis, Boddl.* *C. subcornutus and C. moschatus, Blainv.* *C. moschus, Desm.* *C. aureus, H. Smith.* *C. Philippinus, H. Smith.* *C. Ratwa, Hodgson.* *C. albipes, F. Cuv.* *Stylocerus muntjac, H. Smith; Cantor, Mamm. Malay*, 61. Red-faced Deer, *Marsden, Sumatra.*

HAB. Java, Sumatra, Banka, Borneo; *Muller.* Malayan peninsula; called *kidang*; *Cantor.* Tenasserim, Nepal, Assam, Dukhun, Bengal, and Southern Mahratta; *Cantor.* B. M.

8. AXIS.

1. *Axis maculatus*, H. Smith; *Cantor, Mamm. Malay.* 62. *Cervus axis*, *Erxleb.* *C. nudipalpebra*, *Ogilby, Pro. Zool. Soc.*, 1831, 136. *Axis major and A. minor*, *Hodgson*.

Var. *Cervus pseudaxis*, *Zool. Bonite*, 64.

HAB. Malayan peninsula, Penang; called *rusa bunga*; *Cantor*. Bengal, Assam, Nepal, Southern Mahratta. Ceylon and Sumatra (?); *Cantor*. Var. Philippine Islands.

Not mentioned by Muller as a Sumatran species.

9. RUSA.

1. *Rusa equina*, H. Smith; *Cantor, Mamm. Malay.* 63. *Cervus equinus*, *Cuvier, Os. Foss.* *Rusa etam or kumbang*; *Cervus rusa*, *Raffles*. *C. Malaccensis*, *F. Cuv. Mamm. Lith.*?

HAB. Sumatra, Borneo; *Muller*. Malayan peninsula; called *rusa* or *rusa etam*; *Cantor*.

2. *Rusa Peronii*? *Cervus rusa*, *Muller, Verh.* 56, not *Raffles*. *C. Peronii*, *Cuv. Os. Foss. t. 5. f. 41*?

C. axis, β, *Gmelin*?

HAB. Java, Borneo.

3. *Rusa Molluccensis*. *Cervus Molluccensis*, *Muller, Verh.* *C. Timorensis*, *Geoff. and F. Cuvier, Mamm. Lithog.*?

HAB. Celebes? Boeroe, Amboina, Timor.

4. *Rusa Kuhlii*, *Muller, Verhand. t. 44*.

HAB. Island Baviaan; *Muller*.

5. *Rusa? Mariannus*. *Cervus Mariannus*, *Quoy and Gaim.*

HAB. Philippines, Marianna Island; *Quoy*.

N.B. See also *Tamaroo*, *Cuming, P. Z. S.*, 1840, 33, from Philippines; what is it?

10. PANOLIA.

1. *PANOLIA Eedii*, Gray; *Cat. Hodgson Coll.* 34. *Panolia acuticornis*, *Gray, List. Mamm. Brit. Mus.* *P. platyceros*, *Gray, List. Mamm. Brit. Mus.* *Cervus (Rusa) frontalis*, *M'Clelland*. *C. lyratus*, *Schinzi*. *C. Eedii*, *M'Clelland, Calcutta Journ. N. H.* p. 415. t. 12.

HAB. Malayan Peninsula, *Cantor*. Munneepore. *Animal, Mus. Ind. Company*. *Horns*, B. M.

Fam. 2. EQUIDÆ.

1. EQUUS.

EQUUS Caballus, Linn.; *Cantor, Mamm. Malay.* 59.

HAB. Domesticated, Malayan peninsula; called *kuda*; *Cantor*. Imported from Siam, Burma, or Sumatra.

Fam. 3. ELEPHANTIDÆ.

1. ELEPHAS.

1. ELEPHAS *Indicus*, Linn.; *Muller*, *Verh.*; *Cantor*, *Mamm. Malay.* 52. E. maximus, *Linn.* E. Asiaticus, *Blumenb.*

HAB. Sumatra, Borneo; *Muller*. Malayan peninsula; called *gagah*; *Cantor*. India, Borneo, Siam, Ceylon; *Cantor*. B. M.

2. TAPIRUS.

1. TAPIRUS *Malayanus*, Raffles, *Horsf.*; *Cantor*, 58. T. *Indicus*, *J. Cuvier*; *Muller*, *Verh.* T. *Sumatranus*, *Gray*. T. *bicolor*, *Wagner*.

HAB. Sumatra, Borneo; *Muller*. Malayan peninsula; *Farquhar*; called *badak*, *kuda ayer*, or *fenna*; *Cantor*. B. M.

3. SUS.

1. SUS *scrofa*, var. *Sinensis*, *Linn.*; *Cantor*, *Mamm. Malay.* 54.

HAB. Domesticated, Malayan peninsula; called *babi*; *Cantor*.

2. SUS *Indicus*, *Gray*, *List. Mamm. Brit. Mus.* 185; *Cantor*, *Mamm. Malay.* 53; *Wagner*. S. *scrofa*, *Elliott*. S. *scropha*, *Hodgson*.

HAB. Malayan peninsula, Penang, Singapore, Lancavy Island; called *babi utan*; *Cantor*. Bengal, Nepal.

3. SUS *vittatus*, Schlegel; *Muller*, *Verh.* 173. t. 29–32. f. 56.

HAB. Java, Sumatra, Banka?

4. SUS *verrucosus*, *Muller*, *Verh.* 175. t. 28. t. 32. f. 1, 2, 3, 4.

HAB. Java. B. M.

5. SUS *Celebensis*, *Muller*, *Verh.* 177. t. 28* f. 1, 2, 3.

HAB. Celebes. B. M.

6. SUS *Timorensis*, *Muller*, *Verh.* 178. t. 31. f. 1, 2, 3.

HAB. Timor.

7. SUS *barbatus*, *Muller*, *Verh.* 179. t. 30. f. 1, 2. t. 31. f. 4, 5.

HAB. Borneo.

4. BABYRUSA.

1. BABYRUSA *Alfurus*, *Lesson*, *Mamm.* Sus *Babyrussa*, *Erxleb.* Aper *orientalis*, *Brisson*.

HAB. Celebes. Ternate. B. M.

5. RHINOCEROS.

1. RHINOCEROS *Unicornis*, Linn.; *Cantor, Mamm. Malay*, 54. R. Indiens, *Cuvier*. R. Asiaticus, *Blumenb.* R. inermis, *Lesson*.

HAB. Malayan peninsula: called *badak*; *Cantor*. Bengal, Assam, and Nepal.

2. RHINOCEROS *Sondiacus*, Cuvier, *Oss. Foss.* ii. 25, 33. iii. 384; *Muller, Verh.* 184. t. 33. f. 1, 2; *Horsf. Java*; *Cantor, Mamm. Malay*, 34. R. Javanicus, *F. Cuvier*. R. Javensis, *Schinz.*; *Bontius, Hist. Nat.* v. 50. 52; *P. Camper. Ouv.* i. 263.

HAB. Java. Called *Badac*, *Horsf.* Malayan peninsula; *Cantor*.

2. RHINOCEROS *Sumatrensis*, Cuvier. R. Sumatratus, *Raffles*; *Muller, Verh.* 190. t. 34. f. 1, 2. Sumatran Rhinoceros, *Bell*.

HAB. Sumatra.

3. RHINOCEROS ——?

HAB. Borneo; *Muller, Verh.*

Fam. 4. DASYPIDÆ.

1. MANIS.

1. MANIS *Javanica*, Desm.; *Muller, Verh.*; *Cantor, Mamm. Malay*, 51. M. pentadaetyla, *Raffles*, not *Linn.* M. aspera, *Sundeval*. Pangolin, *Buffon, H. N. x.* t. 34. t. 36. f. 1, 2, 3.

HAB. Java, Sumatra, Borneo. Malayan peninsula, Penang; called *pengoling*, or *tangiling*; *Cantor*. B.M.

From this list it appears that these islands have many animals in common with one another, and with the Malayan peninsula, which has several that are found in the interior of Continental India.

The following species, according to the present state of our knowledge, appear to be peculiar to the islands under which they are arranged, but they may hereafter be found to have a more extended distribution.

1. *Sumatra*.

Simia Satyrus, var. 1. *Hylobates syndactylus*; *H. variegatus*. *Presbytes flavimanus*; *P. melalophus*. *Xantharpyia brevicaudatum*. *Megæra ecaudata*. *Vespertilio macrotis*; *V. brachypterus*. *Helictis orientalis*. *Rhinoceros Sumatrensis*. *Antelope Sumatrensis*.

2. *Java*.

Hylobates leuciscus. *Presbytes mitratus*; *P. pyrrhus*; *P. maurus*. *Cynopterus melanocephalus*. *Rhinolophus (?) larvatus*; *R. insignis*; *R. pusillus*. *Petalia Javanica*. *Vespertilio Harpyia*; *V. Horsfieldii*; *V. imbricatus*; *V. Hasseltii*; *V. adversus*; *V. circumdatus*. *Embalonoura monticola*. *Sciuropterus sagitta*; *S. genibarbis*; *Sciurus hypoleucus*. *Pithechir melanurus*. *Sus verrucosus*.

3. *Amboina.*

Pteropus clrysoproctus. *Rhinolophus tricuspidatus;* *R. Euryotis.* *Phalangista clrysorrhos.*

4. *Timor.*

Pteropus Macklotii. *Rhinolophus diadema.* *Sorex tenuis.* *Felis megalotis.* *Sus Timorensis.*

5. *Celebes.*

Pteropus Alecto. *Phalangista ursina.* *Sus —?* *Anoa depressicornis.*

6. *Baviaan.*

Cervus Kuhlii.

7. *Boeton.*

Sus —?

8. *Ternate.*

Pteropus personatus.

9. *Borneo.*

Simia Satyrus, var. 2. *Vespertilio macellus.* *Dendrogale murina.* *Ptilocerus Lowii.* *Sciurus Ephippium;* *S. Rafflesia, var. Borneensis.* *Rhinoceros —?* *Sus barbatus.*

10. *Philippines.*

Galeopithecus Philippinensis. *Pteropus keraudreni.* *Rhinolophus griseus.* *Vespertilio tristis;* *V. Eschscholtzii;* *V. macrotarsus;* *V. pellucidus;* *V. Meyeni;* *V. rufopictus.* *Taphozous Philippinensis.* *Phlæomys Cumingii.* *Sciurus Philippinensis.* *An unknown Ruminant:* Tamaroo.

II. *NEW GUINEA.*

The Mammalia hitherto recorded as found in New Guinea are of quite a distinct character from those inhabiting the other Malay Islands, they all (except a pig) belong to the *Marsupialia*, and of the divisions of them which have their head quarters in Australia, the species, though they belong to the same genera or groups, are all distinct from those from any part of Australia which has been yet explored; except *Petaurus Sciurus* (Muller

Verh.). I have not seen the New Guinea specimens of the species which Dr. S. Muller has so named, so that I am not able to determine which of the three Australian species, which have been confounded under this name, it is most allied to, but most probably, from its geographical position, it is the *Petaurus ariel* (*Belideus ariel* of Gould, Ann. and Mag. Nat. Hist. 1842, 404) found at Port Essington, if it is not distinct from it.

One species of *Cuscus* (*C. maculata*) is common to New Guinea and Amboina, the latter country appearing to be the home or centre of the genus *Cuscus*, three out of the known species being natives of that island, the fourth being confined to Celebes.

1. PETAURUS.

1. *PETAURUS sciurus*, Muller, Verhand. (Desm.?). ? *Belideus ariel*, Gould.

HAB. New Guinea; Muller. (Port Essington, Gould.)

2. CUSCUS.

1. *CUSCUS maculata*, Lesson, Zool. Coq. *Phalangusta maculata*, Temm. Monog.

HAB. New Guinea and Amboina. B. M.

3. DENDROLAGUS.

1. *DENDROLAGUS ursinus*, S. Muller, Verh. 131. 141. t. 19. 22. 23. *Hypsiprymnus ursinus*, Temm. Fauv. Japon. 6.

HAB. New Guinea. B. M.

2. *DENDROLAGUS inustus*, S. Muller, Verh. 131. 143. t. 20, 22, 23.

HAB. New Guinea.

4. DORECOPSIS.

1. *DORECOPSIS Asiaticus*. *Didelphis Asiaticus*, Pallas, N. A. Petrop. 1777, 228. t. 9. *D. Brunii*, Gmelin. *Halmaturus Brunni*, Illiger. *Hypsiprymnus Brunni*, Muller, Verh. Filander or Kengoeroe, Bruyn. Reizen. 374. t. 213. 1714. *Dorecopsis Brunni*, Muller, Verh. 131. t. 21, 22, 23.

HAB. New Guinea; Island of Aroe.

5. PERAMELES.

1. *PERAMELES Doceyanus*, Quoy and Gaim. Voy. Astrol. t. 16. f. 1, 5. *Kalubu*, Lesson, Zool. Coq.

HAB. New Guinea.

6. PHASCOGALE.

1. *PHASCOGALE melas*, Sehinz. *Phaseogalea melas*, Muller (tab. Verh. 149. t. 25).

HAB. New Guinea.

7. HALICORE.

1. HALICORE *australis*, Owen, in Jukes' *Voyage of Fly*, ii. 323. f. 1, 3, 5. 1847.

HAB. Timor Straits.

8. SUS.

1. SUS *Papuensis*, Lesson, *Voy. Coq. Muller, Verh.*

HAB. New Guinea; called *bene*.

III. JAPAN.

Except the few species of Mammalia of these islands which were procured by Mr. Reeve at Canton, we are almost entirely indebted to the Dutch naturalists. For the knowledge of the Mammalia of this very interesting country, MM. Temminck and Schlegel have published from the materials collected by them, a specific work on the Mammalia, Birds, and Fish of Japan.

Fam. 1. SIMIADÆ.

1. MACACUS.

1. MACACUS *maurus*, F. Cuvier. M. *arctoides*, J. *Geoff. Mag. Zool.* Simia Cuvieri, Fischer. Papio *melanotis*, Ogilby.

HAB. Japan? Cochin China?

2. MACACUS *speciosus*, F. Cuvier. Inuus *speciosus*, Temm. *Faun. Japon.* t. 1, 2. Inuus *fuscatus*, Mus. Leyden.

HAB. Japan. B. M.

Fam. 2. VESPERTILIONIDÆ.

1. RHINOLOPHUS.

1. RHINOLOPHUS *Nipon*, Temm. *Monog.* ii. 50; *Faun. Japon.* 14. t. 3. f. 1, 2.

HAB. Japan. B. M.

2. RHINOLOPHUS *cornutus*, Temm. *Monog.* ii. 57; *Faun. Japon.* 14. t. 3. f. 3, 4.

HAB. Japan.

2. VESPERTILIO.

1. VESPERTILIO *molossus*, Temm. *Monog.* ii. 270; *Faun. Japon.* 15. t. 3. f. 5.

HAB. Japan; called *aka komuli*.

2. VESPERTILIO *abramus*, Temm. *Monog.* ii. 232. t. 58. f. 1, 2; *Faun. Japon.* 17.
HAB. Japan; called *abamusi*.
3. VESPERTILIO *akakomuli*, Temm. *Monog.* ii. 223. t. 57. f. 8, 9; *Faun. Japon.* 17.
HAB. Japan; called *komuli* or *akakomuli*. B. M.
4. VESPERTILIO *macrodactylus*, Temm. *Monog.* ii. 231. t. 58. f. 3, 4, 5; *Faun. Japon.* 17.
HAB. Japan; called *komoli*.

3. NOCTULINIA.

1. NOCTULINIA (*altivolans*?). Vespertilio noctula, Temm. *Faun. Japon.* 15.
HAB. Japan. Europe.

4. TRILATITUS.

1. TRILATITUS *Blepotis*. Vespertilio Blepotis, *Faun. Japon.* 16.
HAB. Japan and Timor, Java. B. M.

5. PTEROPUS.

1. PTEROPUS *dasymallus*, Temm. *Monog.* i. t. 40; *Faun. Japon.* 12. P. rubicollis, Siebold, *Spicel. Faun. Japon.*
HAB. Japan.
2. PTEROPUS *pseleaphon*, Lay, *Zool. Journ.* iv. 457; Temm. *Monog.* ii. t. 37. P. ursinus, Kittlitz.
HAB. Japan, Island Bonin. B. M.

Fam. 3. FELIDÆ.

1. CANIS.

1. CANIS *familiaris*, *Fauna Japon.* 37. t. 1.
Var. 1. *Kari inu*, or *No inu*, *Fauna Japon.* t. 10. f. 1, 2.
Var. 2. *Bawa inu*, or *kui ina*, t. 10. f. 4-6.
Var. 3. *Tsin*. Introduced from China.
2. CANIS —? C. oakame, *Fauna Japon.* 38.
HAB. Japan (Mountains).
3. CANIS *hodophylax*, Temm.; *Faun. Japon.* 40. C. hippophylax, Temm. *Mus.* C. hodophilax, *Fauna Japon.* t. 9.
HAB. Japan; called *Jamaínu*.

2. VULPES.

1. *CANIS Vulpes*, Temm. *Faun. Japon.* 39; not *Linn.*?

HAB. Japan; called *kiene*.

3. NYCTIREUTES.

1. *NYCTIREUTES Procyonoides*, Gray. *Canis procyonoides*, Gray, *Illust. Ind. Zool.* *Nyctireutes viverrinus*, and *N. procyonoides*, Temm., *Faun. Japon.* t. 40. t. 8.

HAB. Japan; called *Habsimon si*, *mami tanuki*, and *tanuti*, and *musina tanute*. B. M.

4. MARTES.

1. *MARTES (Mustela) melampus*, Temm. *Faun. Japon.* 31. t. 7. f. 3, 4. *M. melanopus*, Gray, *List. Mamm. Brit. Mus.* 63.

HAB. Japan; called *ten*, or *aka ten*. B. M.

5. MUSTELA.

1. *MUSTELA brachyura*, Temm.? *Japan*, 33.

HAB. Japan; called *iezoten*.

2. *MUSTELA* —? *Faun. Japon.* 35.

HAB. Japan; called *tomatsu*; *Siebold*.

6. VISON.

1. *VISON Itatsi*, Mustela (Putorius) *Itatsi*, Temm.; *Faun. Japon.* 33. *M. Natsi*, Temm. *Fauna Japon.* t. 7 (misprint.)

HAB. Japan; called *Itatsi*. B. M.

7. MELES.

1. *MELES akakuma*, Temm. *Faun. Japon.* 30. t. 6. *M. Taxus*, var. Temm.

HAB. Japan; called *anakuma*. B. M.

8. LUTRA.

1. *LUTRA (Chinensis, Gray?) vulgaris*, Temm. *Faun. Japon.* 33.

HAB. Japan; called *kawa-uso*.

9. ENHYDRA.

1. *ENHYDRA Lutris*, Gray. *Enhydris marina*, Temm. *Faun. Japon.* 38. *Lutra marina*, Steller. *Mustela Lutris*, *Linn.*

HAB. Japan. California. B. M.

Fam. 4. URSIDÆ.

1. DANIS.

1. DANIS *ferox*. ? Ursus *ferox*, Temm. Faun. Japon. 29; Lewis and Clark? U. *cinereus* and U. *griseus*, Desm. U. *horribilis*, Ord.

HAB. Japan; called *ohokuma* and *akakuma*. And N. America?

2. HELARCTOS.

1. HELARCTOS *Tibetanus*, Gray, List Brit. Mus. 73. Ursus *Thibetanus*, F. Cuvier; Temm. Faun. Japon. 29. U. *ferox*, Robinson, Assam, 69.

HAB. Japan; called *kuma*. India. China. B. M.

3. THALARCTOS.

1. THALARCTOS *maritimus*. Ursus *maritimus*, Temm. F. Japon. 30; Linn. U. *marinus*, Pallas. U. *polaris*, Shaw.

HAB. Japan. Polar Seas.

Fam. 5. TALPIDÆ.

1. TALPA.

1. TALPA *Wogura*, Temm., Faun. Japon. 19. t. 4. f. 2-5. T. *moogura*, Temm. Icon. t. 4. f. 1-5. (misprint).

HAB. Japan. B. M.

2. UROTRICHUS.

1. UROTRICHUS *talpoides*, Temm., Faun. Japon. 30. 64. f. 6, 11. U. *Japonicus*, Mus. Leyden.

HAB. Japan; called *Himusi*, *Doinezume*, or *Jama-ugura*. B. M.

3. CROSSOPUS.

1. CROSSOPUS *platycephalus*. Sorex *platycephalus*, Temm. Faun. Japon. 23. t. 5. Chrosopus *platycephalus*, Temm. l. c.

HAB. Japan.

4. SOREX.

1. SOREX *Indicus*, Temm., Faun. Japon. 25. t. 5.

HAB. Japan; Temm.

2. SOREX *Dsinezumi*, Temm., F. Japon. 26. t. 5, 6. S. *kinezumi*, Temm. Faun. t. 5. f. 2, and S. *kinezumi*, f. 3. (misprints).

HAB. Japan.

3. *SOREX umbrinus*, Temm. *F. Japon.* 27.

HAB. Japan.

5. ERINACEUS.

1. *ERINACEUS* ——? *Temm. Faun. Japon.* 19.

HAB. Japan.

Fam. 6. PHOCIDÆ

1. PHOCA.

1. *PHOCA barbata*, Muller? *Temm. Faun. Japon.* 2. P. maxima, *Steller.* P. leporina, *Lepechen.*

P. nautica, and P. albigena, *Pallas.*

HAB. Japan; *Siebold.*

2. *PHOCA nummularis*, Pallas, *Z. Ross.* 117; *Temm. Fauna Japon.* 3. P. n. 2. *Steller,* *Camsch.* 107.

P. vulgaris, var., *Pallas.* P. Largha, *Pallas.*

HAB. Japan.

2. ARCTOCEPHALUS.

1. *ARCTOCEPHALUS lobatus*, Gray. *Otaria Stelleri*, *Temm. Faun. Japon.* t. 21, 22. O. cinerea, *Mus.*

Leyden. Ph. australis, *Quoy and Gaim.*

HAB. Japan. B. M.

Fam. 7. BALÆNIDÆ.

1. BALÆNA.

1. *BALÆNA Japonica*, Gray, *Zool. Ereb. and Terror*, 15. B. Antarctica, *Temm. Faun. Japon.* 18. t. 29,

not *Gray.* Balænoptera Antarctica, *Temm. Faun. Japon.* 21. t. 28 (misprint).

HAB. Japan.

2. BALÆNOPTERA.

1. *BALÆNOPTERA Iwasi*, Gray, *Zool. Ereb. and Terror*, 20. B. arctica, *Temm. Faun. Japon.* 26.

HAB. Japan.

3. MEGAPTERON.

1. *MEGAPTERON Antarctica*, Gray, *Zool. Ereb. and Terror*, 17. Balænoptera Antarctica, *Temm. Faun.*

Japon. t. 30. Rorqual noueux, *Voy. Pol. Sud.* t. 24.

HAB. Japan.

Fam. 8. CATODONTIDÆ.

1. CATODON.

1. *CATODON macrocephalus* (?) Physeter ——? *Temm. Faun. Japon.* 26.

HAB. Japan.

Fam. 9. DELPHINIDÆ.

1. DELPHINUS.

1. DELPHINUS *longirostris*, Gray, *Spic. Zool.*; *Zool. Ereb. and Terror*, 42. Cuvier; Temm. *Faun. Japon.* t. 24. D. *Capensis*, Gray, *Spic. Zool.*, not Cuvier, nor Rapp.
 HAB. Japan. Cape of Good Hope, Malabar, Ceylon. B. M.

2. GLOBIOCEPHALUS.

1. GLOBIOCEPHALUS *Sieboldii*, Gray, *Zool. Ereb. and Terror*, 32. Delphinus *globiceps*, Temm. *Faun. Japon.* 17. t. 27.
 HAB. Japan; called *golo*.

3. GRAMPUS.

1. GRAMPUS *Sakamata*, Gray, *Zool. Ereb. and Terror*, 31. Delphinus *orca*, Temm. *Faun. Japon.* 25.
 HAB. Japan; called *sakamata*; *Kuzira*.

4. NEOMERIS.

1. NEOMERIS *Phocænoides*, Gray, *Zool. Ereb. and Terror*, 30. Delphinus *Phocænoides*, Cuvier. D. *melas*, Temm. *Faun. Japon.* 14. t. 25, 26. Delphinapterus *melas*, Temm. *F. Japon.* 7.
 HAB. Japan, Cape of Good Hope, Malabar.

Fam. 10. MURIDÆ.

1. MUS.

1. Mus *argenteus*, Temm., *Faun. Japon.* t. 13.
 HAB. Japan.

2. Mus *Molossinus*, Temm., *Faun. Japon.* t. 13.
 HAB. Japan.

3. Mus *Negumi*, Temm., *Faun. Japon.* t. 13.
 HAB. Japan.

4. Mus *speciosus*, Temm., *Faun. Japon.* t. 16.
 HAB. Japan. B. M.

Fam. 11. LEPORIDÆ.

1. LEPUS.

1. LEPUS *brachyrus*, Temm. *Faun. Japon.* t. 11.
 HAB. Japan. B. M.

Fam. 12. JERBOIDÆ.

1. SCIURUS.

1. SCIURUS *Lis*, Temm. *Faun. Japon.* t. 12. *S. vulgaris*, var. *Temm.*
HAB. Japan.

2. PTEROMYS.

1. PTEROMYS *leucogenys*, Temm. *Faun. Japon.* t. 13.
HAB. Japan. B. M.

4. SCIUROPTERUS.

1. SCIUROPTERUS *momoga*. *Pteromys momoga*, Temm. *Faun. Japon.* t. 14.
HAB. Japan. B. M.

5. MYOXUS.

1. MYOXUS *elegans*, Temm. *Faun. Japon.* t. 14.
HAB. Japan.

Fam. 13. BOVIDÆ.

1. NEMORRHEDUS.

1. NEMORRHEDUS *crispus*. *Antelope crispa*, Temm. *Faun. Japon.* t. 18, 19.
HAB. Japan. Mus. Leyden.

2. RUSA.

1. RUSA *Sika*. *Cervus Sika*, Temm. *Faun. Japon.* t. 17.
HAB. Japan.

Fam. 14. ELEPHANTIDÆ.

1. SUS.

1. SUS *leucomystax*, Temm. *Fauna Japon.* t. 20.
HAB. Japan.
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IV. CHINA,

We are chiefly indebted to Mr. Reeves and his son, Mr. John Russell Reeves, for the knowledge of the animals of Canton and its neighbourhood, and this is almost the only part of China from whence Mammalia have been sent to England.

It must be observed that Japanese species are often to be procured at Canton, and that some of them have been mistaken for inhabitants of China.

Fam. 1. VESPERTILIONIDÆ.

1. VESPERTILIO.

1. VESPERTILIO *irretitus*, Wiegm. *Arch.* 1843, ii.

HAB. Island of Chusan.

Fam. 2. FELIDÆ.

1. LEOPARDUS.

1. LEOPARDUS *Chinensis*, Gray, *List Mamm. Brit. Mus.* 43. Felis *Chinensis*, Gray, *Mag. Nat. Hist.* 1837.

HAB. China; *J. Reeves.* B. M.

2. LEOPARDUS *Reevesii*, Gray, *List Mamm. Brit. Mus.* 41.

HAB. China; *J. Reeves.* B. M.

2. NYCTEREUTES.

1. NYCTEREUTES *Procyonoides*, Gray. Canis *Procyonoides*, Gray, *Illust. Ind. Zool.* N. *viverrinus*, Temm. *Fauna Japon.*

HAB. China; *J. Reeves.* Japan. B. M.

3. VIVERRA.

1. VIVERRA *Zibetha*, Linn.; Gray. V. *undulata*, Gray.

HAB. China; *J. Reeves, Esq.* B. M.

2. VIVERRA *pallida*, Gray, *Pro. Zool. Soc.*

HAB. China. Mus. Zool. Soc.

4. PAGUMA.

1. PAGUMA *larvata*, Gray, *Pro. Zool. Soc.*, 1831, 95. Gulo *larvatus*, Temm. *Mus. Leyden*; H. Smith, *Griffith, A. K.* ii. 281. Viverra *larvata*, Gray, *Spic. Zool.* 9. 1830. Paradoxurus *larvatus*, Gray, *Pro. Zool. Soc.* 1832, 67; *Illust. Ind. Zool.*

HAB. China; *J. Reeves.* B. M.

5. HELICTIS.

HELICTIS moschata, Gray, *Pro. Zool. Soc.*, 1831, 94. *Melogale personata*, *J. Geoff.*?

HAB. China, Canton; *J. Reeves.* B. M.

6. LUTRA.

1. LUTRA *Chinensis*, Gray.

HAB. China; *J. Reeves.* B. M.

Fam. 3. TALPIDÆ.

1. SOREX.

1. SOREX *murinus*, Linn.

HAB. China; *J. Reeves.* B. M.

Fam. 4. JERBOIDÆ.

1. SCIURUS.

1. SCIURUS *insignis*, F. Cuvier.

HAB. China; *J. Reeves.* B. M.

2. SCIURUS *castaneo-ventris*, Gray, *List Mamm. Brit. Mus.* 143.

HAB. China; *J. Reeves.* B. M.

3. SCIURUS *Chinensis*, Gray, *List Mamm. Brit. Mus.* 144.

HAB. China; *J. Reeves.* B. M.

Fam. 5. ASPALACIDÆ.

1. RHIZOMYS.

1. RHIZOMYS *Sinensis*, Gray, *Pro. Zool. Soc.*, 1831, 95; *Illust. Ind. Zool.* ii. t. R. *Chinensis*.

HAB. China, Canton; *J. Reeves.*

Fam. 6. BOVIDÆ.

1. MUNTJACUS.

1. MUNTJACUS *Reevesii*. *Cervus Reevesii*, *Ogilby*, *Pro. Zool. Soc.*, 1838, 105.

HAB. China; *J. Reeves*; *Gardens Zool. Soc.*

Fam. 7. DASYPIDÆ.

1. MANIS.

1. MANIS *Dalmanni*, Sundeval, *K. V. Acad. Hand.*, 1842, 256.

HAB. China; *Dalmann*.

PLATE VII.

GALIDICTIS vittata, Gray, *Proc. Zool. Soc. Lond.*, p. 22. (1848).

HAB. Madagascar.

Grey, black and white grizzled; back and sides with eight nearly equal parallel, narrow, black-brown streaks; chin and beneath pale brown; hind-feet and outer sides of fore-legs reddish brown. Tail subcylindrical, bushy, black and grey grizzled, white towards the ends; hairs elongate, brownish white, with two (rarely three) broad black rings.

Length of body and head (when stuffed), 14 inches; tail, 12 inches.

The skull, which shows that the animal was not quite full grown, agrees in all the particulars with that figured by M. J. Geoffroy, in Guerin's Mag. Zool. t. 19, but is about one-fourth smaller in all its parts, and it has one more very small roundish false grinder on each side in front of the other (between it and the canines) in the upper jaw, which is not noticed in M. Geoffroy's figure and description, and which probably falls out when the animal arrives at adult age.

Dr. T. R. H. Thomson, Surgeon, R.N., who had one of these animals for six months on board ship, says it was procured at Tulyah Bay, Madagascar. It was at first extremely timid, but soon became tame and acquainted with the different parts of the vessel, and very partial to those who bestowed any attentions on it. It was remarkably agile, keeping its long bushy tail somewhat erect in running about, and uttering a sort of chirp not unlike a rat. Its chief food was uncooked meat, but it preferred raw eggs above all other articles when they could be procured. Its method of breaking them was not a little amusing; on receiving one it would roll it towards a projecting timber or gun-slide; then lying down on its side, the little creature would grasp the egg with all its feet and throw it by a sudden jerk, repeating the attempt until the contents were obtained. Turtles' eggs, being so soft and rich, were always eagerly sought by it. It was very irascible while feeding, and would attack those who interfered with it at such a time, although at others it delighted in being fondled, and would play like a kitten with those it knew. The habits of this interesting animal were not nocturnal. It died from convulsions, under which it had suffered for five weeks.

Its mode of breaking the egg is somewhat different from that of *Herpestes fasciatus*, which Dr. Thomson had also under observation for some time. This latter, after getting the egg close to a projecting object, seizes it with the two anterior feet, and then jerks it through between the hinder legs, which are raised somewhat to let the egg pass.

Geoffroy St. Hilaire, in the manuscript catalogue of the Mammalia in the Paris collections, notices a specimen from Madagascar which had been collected by M. Sonnerat, which he described in the following manner, under the name of *Mustela striata* :—“Supra saturatè fusca ; striis quinque longitudinalibus angustis parallelis albis ; gastræo pallidè canescente, caudâ basi fuscâ, reliquâ albâ ; statura Mustelæ vulgaris.”—Fischer, Syn. 224. M. Cuvier, in the ‘Règne Animal’ (ed. 2de, 144) described the same specimen under the name of “La Belette rayée de Madagascar, *Putorius striatus*, Cuvier, de la taille de la belette d’Europe, d’un brun roussâtre avec cinq lignes longitudinales blanchâtres ; le dessous et presque toute la queue blanchâtre.” M. Isidore Geoffroy St. Hilaire, in the notes to a paper on some Madagascar animals in M. Guerin’s Magasin de Zoologie for 1839, p. 32, informs us that the specimen above described then existed in the collection, and that he had convinced himself that it was a young specimen of an animal rather more than two feet long, which had been sent to the Museum in 1834 by M. Goudot, under the name of *Vonsire blanc*, and called *Vontsira fountche* by the Madecasses ; and he gives a description and figures of the animal and its skull, t. 18, 19, forming for it a genus which he names *Galidictis*.

A few months ago the Museum purchased of Mr. Tucker of the Quadrant an animal from Madagascar, which is evidently nearly allied to the *Galidictis striata*, but differs from it in some particulars, which induce me to regard it as a second species of that genus. I may remark that it agrees with all the characters assigned to that genus by M. Isidore Geoffroy, except that the soles of the hind feet are more naked than he described those of his genus *Galidia* to be, though he observes that *Galidictis* has the feet “presque entièrement semblable” to that genus ; for the naked part is nearly as broad as the foot, almost to the top of the heel. The chief difference between the Museum specimen and that described and figured by the two Geoffroys and Cuvier is in the colour of the tail, and I might think this depended on age, if the elder Geoffroy and Cuvier did not describe the young animal as being of the size of a weasel, and the younger Geoffroy the adult as having the same peculiarity, viz., a white tail ; while our specimen has the tail of the same colour as the back, and even more distinctly variegated with black and white. The stripes are narrower, rather differently placed, and more equal in width than in the description and figure above quoted, and they do not extend so far up the neck towards the head.

pp. rata.



OURANG OUTAN or PONGO.

Simia satyrus.



PROBOSCIS MONKEY.

Nasalis larvatus.





HERPESTES BRACHYURUS

VERTEBRATA.

Pl. 1.



PTILOCERCUS LOWII Gray.

3 nat. size

PTEROMYS ELEGANS.



GALIDICTIS VITTATA



PELAMIS MACULATA